FORMER TARAWA TERRACE SCHOOL
BUILDING TT-48 UST #3 CLOSURE REPORT

MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

Prepared for:

DEPARTMENT OF THE NAVY
Contract No. N62470-02-D-3260

NAVFAC
Naval Facilities Engineering Command

Naval Facilities Engineering Command, Atlantic
6506 Hampton Boulevard
Norfolk, Virginia 23508-1273

Prepared by:

Shaw™ Shaw Environmental, Inc.

11560 Great Oaks Way, Suite 500
Alpharetta, GA 30022-2424

Task Order 0033/Shaw Project No. 109972
November 2006

Shaw Environmental, Inc.
11560 Great Oaks Way, Suite 500
Alpharetta, GA 30022-2424
770.475.8994
Fax 770.777.9545

Shaw The Shaw Group Inc.™

November 27, 2006

DEPARTMENT OF THE NAVY

Mr. Andrew Smith
Environmental Management Division
MCB Building 12, McHugh Boulevard
Camp Lejeune, NC 28542

Re: Contract N62470-02-D-3260; Task Order 033
TT-48 Tank #3 UST Closure Report
Marine Corps Base, Camp Lejeune, N.C.

Dear Mr. Smith:

Attached please find 2 copies of the UST Closure Report for the TT-48 Tank #3 site. Also included is one CD with an electronic file of this report.

Should you have any additional comments or questions, please do not hesitate to contact myself or Joe Colella at your earliest convenience.

Sincerely,

Shaw Environmental, Inc.

James R. Wilson, L.G.
Project Geologist

Attachments

cc: File

FORMER TARAWA TERRACE SCHOOL BUILDING TT-48 UST #3 CLOSURE REPORT
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

Prepared for:

DEPARTMENT OF THE NAVY
Contract No. N62470-02-D-3260
Task Order 0033

Atlantic Division
Naval Facilities Engineering Command
6506 Hampton Boulevard
Norfolk, Virginia 23508-1273

Prepared by:

Shaw Environmental, Inc.
11560 Great Oaks Way, Suite 500
Alpharetta, Georgia 30022-2424



James R. Wilson, L.G.
North Carolina License Number 2069

Joseph W. Colella, P.E.
Project Manager

James A. Dunn Jr., P.E.
Program Manager

Task Order 0033
Shaw Project No. 109972

November 2006

TABLE OF CONTENTS

EXECUTIVE SUMMARY ..... **II**
1.0 GENERAL INFORMATION **1-1**
1.1 Site Location and Description 1-1
1.2 NCDENR Notification Forms and UST Removal Permits 1-1
1.3 UST System 1-1
1.4 Facility Information 1-1
1.5 Facility Contacts 1-2
1.6 Site Characteristics 1-3
1.6.1 Camp Lejeune Marine Base Location and Description 1-3
1.6.2 Topographic and Hydrogeologic Setting 1-3
2.0 UST CLOSURE PROCEDURES **2-1**
2.1 Tarawa Terrace Building TT-48 UST Removal 2-2
2.2 Non-hazardous Soil Disposal Sampling and Analysis 2-3
2.3 Groundwater Sampling and Analysis 2-3
3.0 POST EXCAVATION SOIL SAMPLE ANALYTICAL RESULTS **3-1**
3.1 North Carolina Regulatory Standards 3-1
3.2 UST Confirmation Soil Sampling Analytical Results 3-1
3.3 Groundwater Sampling Analytical Results 3-2
3.4 Disposal Sampling Analytical Results 3-2
4.0 CONCLUSIONS AND RECOMMENDATIONS **4-1**

FIGURES

Figure 1.1 Site Vicinity Map
Figure 1.2 Site Location Map
Figure 1.3 Former Tarawa Terrace School Building TT-48 Site Map

TABLES

Table 3.1 TPH-GRO and TPH-DRO Soil Sample Analytical Results
Table 3.2 VOC and SVOC Soil Sample Analytical Results
Table 3.3 MADEP-EDH/VPH Soil Sample Analytical Results
Table 3.4 VOC and SVOC Groundwater Sample Analytical Results
Table 3.5 MADEP-EDH/VPH Groundwater Sample Analytical Results

APPENDIX

Appendix A Site Investigation Report for Permanent Closure or Change-in-Service of UST (UST-2 Form)
24 Hour Release and UST Leak Reporting Form (UST Form 61)
Appendix B UST and Soil Disposal Manifest
Appendix C Project Chain of Custody Records
Appendix D Laboratory Analytical Reports
Appendix E Photographs of UST Closure Activities
Appendix F Monitoring Well Construction and Abandonment Records

EXECUTIVE SUMMARY

The former Tarawa Terrace School Building TT-48 is located in the Tarawa Terrace residential area of MCB, Camp Lejeune, North Carolina. The scope-of-work completed at the site involved removal of a 1,000 gallon steel heating oil tank labeled tank #3. There were no piping or dispenser connected to the tank. The tank was removed October 4, 2006.

The removal activity revealed minor soil staining and a slight petroleum hydrocarbon odor when the UST was removed. The soil removed from the excavation was screened with an Organic Vapor Analyzer equipped with a Flame Ionization Detector (OVA-FID). The OVA-FID detected organic vapors in excess of 1 ppm ranging from 4 ppm to 100 ppm.

Analytical results indicated that TPH-DRO and TPH-GRO were detected at concentrations greater than 10 mg/kg, NCDENR action level, in all of the soil samples collected from beneath the UST and the four sidewalls (TT-006 through TT-010).

On October 16, 2006, Shaw removed an additional three to six feet of soil on the north and west walls, five feet of soil on the east wall, and seven feet of soil on the south wall. The excavation was conducted down to 8.0 ft-bls because no additional soil could be removed from the base due to encountering groundwater at 9.0 ft-bgs. Therefore no sample from the base of the excavation was obtained. The results for the soil sample on the east wall were above North Carolina's Residential and Soil-to-Groundwater MSCCs. Therefore removal of an additional three feet of soil on the east wall was conducted on October 27, 2006, down to 8.0 ft-bls. A second set of soil samples were collected from the east wall at the new excavation limits for MADEP analysis. The analytical results for the second over excavation of the east wall were below North Carolina's Residential and Soil-to-Groundwater MSCCs.

For disposal purposes, soil from the UST excavation was staged on site until transportation and disposal was arranged. One composite soil sample from the excavated backfill material was collected for disposal characterization analysis. The sample was analyzed for TPH-GRO, TPH-DRO, and TCLP metals. Results from the analyses met the allowable NCDENR regulatory levels for non-hazardous landfill disposal. The soil was disposed at the MCB landfill. Restoration of the site was conducted by backfilling and compacting with local borrow soil.

On November 2, 2006, a temporary monitoring well was installed at the south (downgradient) end of the backfilled excavation and a groundwater sample TT-TW-002 was collected for analysis. Analytical results indicated that Naphthalene, 2-Methylnaphthalene, and MADEP-VPH were detected at concentrations above North Carolina's Groundwater Quality Standards.

During the week of November 13-17, 2006, the Tarawa Terrace site contractor (Actus Lend Lease, LLC) excavated additional suspected contaminated soil from a proposed utility trench on the west side of the excavation for Tank #3. A total of 1,675.38 tons of soil was loaded by P&F Environmental and transported to Land Application Facility in Whitakers, North Carolina. Soil manifests are included in Appendix B.

Based on the analytical results of the soil samples collected from the UST excavation Shaw recommends that no further action with respect to the UST soils be required. Based on the results of the groundwater sample collected from the UST excavation Shaw recommends that a Limited Site Assessment Report with respect to the groundwater be required.

1.0 GENERAL INFORMATION

1.1 Site Location and Description

The former Tarawa Terrace School Building TT-48 is located in the Tarawa Terrace residential area of Camp Lejeune. The site is located on the west side of Tarawa Terrace approximately 1,100 feet east from the intersection of Tarawa Terrace Boulevard and Saipan Drive. *Figure 1.1* presents a Camp Lejeune Vicinity Map of the site. The area surrounding the UST is being redeveloped for residential use. A site map showing the UST location and other pertinent site features is presented in *Figure 1.2*. There was no fuel line or dispenser associated with the UST. The previous content of the UST was heating oil.

The removal activity revealed minor soil staining and a slight petroleum hydrocarbon odor when the UST was removed. Screening of the excavated soil with an Organic Vapor Analyzer equipped with a Flame Ionization Detector (OVA-FID) detected organic vapors in excess of 1 ppm, ranging from 4 ppm to 100 ppm. A site map showing the Tank #3 UST excavation limits, FID readings, and DRO/GRO results is presented in *Figure 1.3*.

1.2 NCDENR Notification Forms and UST Removal Permits

Since the heating oil tank was not regulated, a Notification of Intent form (UST-3) to remove the UST was not submitted to the NCDENR, Wilmington Regional Office by the Marine Corp Base (MCB) prior to UST removal activities. No local UST removal permits were required. The MCB Fire Division was notified of the closure activities.

1.3 UST System

The Tank #3 UST located at Tarawa Terrace Building TT-48 consisted of one 1,000 gallon steel tank. It is unknown when the UST was installed. On October 4, 2006 the UST removal activities were completed. There was no fuel line or dispenser associated with the UST.

1.4 Facility Information

The facility name, UST owner and UST information are provided below:

Name:	Former Tarawa Terrace School Building TT-48
UST Location	Tarawa Terrace Residential Area Onslow County Camp Lejeune, N.C. 28542-0004

UST Owner:	Commanding General, MCB I & E/EMD, MCB Building 1 Holcomb Boulevard Onslow County Camp Lejeune, NC 28542-0001
UST Information:	Building TT-48 Tank Number – 3 Facility ID # Not Regulated Tank Capacity – 1,000 gallons Tank Dimensions –4 feet diameter by 11 feet long Last Contents –Heating Oil Previous Contents –Heating Oil

1.5 Facility Contacts

Information regarding the responsible party, as well as the names, addresses, and phone numbers of the primary contacts, the UST excavation subcontractor, the primary consultant, and the analytical laboratory are as follows:

Primary Responsible Party Contact:
Mr. Andrew Smith
Mr. Bruce Markwick
I & E/EMD, MCB
PSC Box 20004
Camp Lejeune, NC 28542
(910) 451-5068

Closure Contractor & Primary Consultant
Mr. James R. Wilson
Shaw Environmental, Inc
11560 Great Oaks Way
Suite 500
Alpharetta, Georgia 30022
(770) 475-8994

UST Excavation Contractor:
Shaw Environmental, Inc.
11560 Great Oaks Way, Suite 500
Alpharetta, Georgia 30022
(770) 475-8994

Laboratory:
Accutest Laboratories SE, Inc.
4405 Vineland Road, Suite C15
Orlando, Fl 32811-7363
(407)425-6700
Heather Wandrey, Project Manager
N.C. Certification No. 573

1.6 Site Characteristics

The former Tarawa Terrace School Building TT-48 is located in the Tarawa Terrace residential area off State Route 24. The site has been cleared and is presently under construction for a new housing development.

1.6.1 Camp Lejeune Marine Base Location and Description

Located in Onslow County, North Carolina, MCB Camp Lejeune is a training base for the United States Marine Corps. The Base covers approximately 236 square miles (153,000 acres) and includes 14 miles of coastline. MCB Camp Lejeune is bounded to the southeast by the Atlantic Ocean and to the northeast by State Route 24. Wooded areas are located North, East, and West of the site. The town of Jacksonville, North Carolina is located north of the base.

1.6.2 Topographic and Hydrogeologic Setting

The following sections briefly discuss the site topography and hydrogeologic setting.

Topography

The project area is dominated by relatively flat topography gently sloping to the south and southwest toward a tributary of Northeast Creek. Much of the area immediately surrounding the former Tarawa Terrace School Building TT-48 consists of exposed soil since the area as part of a new housing construction area. The nearest mapped body of surface water is a tributary of Northeast Creek, located approximately 2,500 feet to the southwest. Surface water runoff from the site would be to the southwest and then diverted into a network of storm drains located on Tarawa Boulevard. Storm water collected by this system of drains ultimately discharges to the New River.

Regional Geology and Hydrogeology

Sediment and stratigraphy in the vicinity of the site indicate that near-surface soils within 6 to 8 feet below land surface (bls) generally consist of sandy clays to clayey fine sands with occasional fine sand or clay lenses. Below the surficial material, soils generally consist of relatively clean, fine to medium sands to a depth of approximately 50 feet.

The groundwater aquifer is classified as GA groundwaters according to the North Carolina Administrative Code (NCAC) Title 2L Subchapter 15A, Section .0201 Groundwater Classifications. There are no water supply wells in the vicinity of the site (all water supply wells in the vicinity of the site were abandoned in the 1980's). The nearest water supply well (#704) is located approximately 7,000 feet east-southeast from the site. The nearest downgradient body of surface water is a tributary of Northeast Creek, located approximately 2,500 feet to the southwest. Northeast Creek is also located approximately 2,500 feet to the south and a marsh area associated with Northeast Creek is located approximately 2,000 feet south of the site. Depth to groundwater typically ranges from 6 to 10 feet bls. In general, the direction of groundwater flow at the site is to the southwest.

2.0 UST CLOSURE PROCEDURES

Shaw Environmental, Inc. (Shaw) was contracted to provide closure services for UST removal activities at the former Tarawa Terrace School Building TT-48. The Tank #3 UST was located on the southeast side of the former main school building at Tarawa Terrace. The MCB Fire Division was contacted prior to removal operations. Photographs of UST removal activities are provided in *Appendix E.*

Equipment and personnel currently working at Camp Lejeune performed the UST removal activities. The initial site preparation activities included:

- Acquiring dig permits and proper safety forms.
- Examining the site to determine access to the proposed excavation area.
- Delineation of the job site perimeter and work zones.
- Location of all utilities within the project area.
- Placement of an excavator into the excavation area.
- Construction of a soil staging area and decontamination pad.
- Placement of temporary fence/barricades surrounding the work area.
- Procurement of required equipment and materials.

A local utility locator was contracted by Shaw to identify any utilities within the work zone. None were found/identified.

Shaw removed the 1,000 gallon steel UST using a track mounted excavator on October 4, 2006. Groundwater was not observed in the excavation at a depth of 8 feet bls. The depth from the land surface to the top of the tank was 2.0 feet. The tank was installed in a light brown sandy clay native material down to depth of 4.5 feet. A grey silty clay was present directly below the UST from 4.5 to 6.0 feet. A brown silty sand was present from 6.0 to 8.0 feet at the bottom of the excavation where the soil samples were collected.

Following removal of the UST from the excavation, an inspection of the UST did not identify any holes in the steel tank or any evidence of a petroleum leak. The UST removal activity revealed corrosion pitting on the outside of the tank. In addition, soil staining and petroleum hydrocarbon odors were present in the soil beneath the tank. OVA-FID readings of the soil removed from the excavation detected organic vapors in excess of 1 ppm ranging from 4 ppm to 100 ppm. All of the soil removed during the UST removal activities was staged on site for disposal.

The UST was previously filled with concrete. Therefore, before removal, the top of the tank was cut open to remove the concrete. Following removal, the outside of the UST was cleaned of excess soil and inspected for damage. The inside atmosphere of the UST was tested with an O_2/LEL meter and OVA-FID to ensure that no explosive vapors were present and that it was safe to cut the tank. The ends of the tank were then cut off, the inside was cleaned, and the tank was crushed.

The UST was disposed at J&E Salvage, a steel recycler located in Jacksonville, North Carolina. A copy of the UST disposal manifest is provided in *Appendix B.* A completed Site Investigation Report for Permanent Closure or Change in Service of UST (UST-2 Form) is provided in *Appendix A.* The excavated area was back-filled with clean borrow soil purchased from Morton Trucking.

During the UST excavation and removal activities, routine air monitoring in the breathing zone was performed using an OVA-FID to monitor for the presence of volatile hydrocarbons. No readings were detected above the ambient level of 0.0 parts per million (ppm) at the UST location; therefore no upgrade in personnel protective equipment was required.

2.1 Former Tarawa Terrace School Building TT-48 Tank #3 UST Removal

During excavation activities, the sidewall of the excavation was screened with a Flame Ionization Detector (OVA-FID). Field measurements ranged from 4 ppm to 100 ppm. Excavated soil was staged on a plastic lined area and stockpiled onsite. Soils were disposed of at a permitted, in-State Non-Hazardous RCRA Subtitle D disposal facility. The initial excavation area was approximately 12 ft x 15 ft to a depth of 8 feet bls. Approximately 110 cy of soil was removed from the excavation. *Figure 1.3* presents a site map for the UST removal activities at Building TT-48.

The UST was a 1,000 gallon capacity, 11.0 feet long by 4.0 feet in diameter, single walled steel tank. Following removal of the UST, a soil sample was collected from each sidewall (approximately 8-feet bls) and the bottom of the excavation (approximately 8-feet bls). The samples were analyzed for TPH-DRO and TPH-GRO. Analytical results indicated that TPH-DRO and TPH-GRO were detected at concentrations greater than 10 mg/kg in all of the soil samples collected from beneath the UST and the four sidewalls (TT-006 through TT-010). All of these concentrations were above North Carolina's action level of 10 mg/kg.

Because analytical results exceeded 10 mg/kg, over excavation of the UST pit was conducted on October 16, 2006 until the OVA-FID readings indicated 0.0 ppm. An additional 3 to 7 feet of soil (approximately 120 cy) was then removed from the four sides of the excavation. However, only 1.0 foot was removed from the bottom of the excavation (9.0-feet total depth) before groundwater was encountered. Soil samples (TT-016through TT-020) were then collected from each sidewall (approximately 8.0-feet bls). The samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), and MADEP EPH/VPH. All analytical data from three of the four wall samples were less than the North Carolina's Residential and Soil-to-Groundwater MSCCs. The east wall analytical data was above the NCDENR action levels. The east sidewall required an additional 3 feet of soil (approximately 42 cy) to be removed from the east side of the excavation. An additional soil sample (TT-021) was then collected from the east sidewall (approximately 8.0-feet bls).

Groundwater was present at the bottom of the excavation (9.0-feet bls), so no soil was collected. A temporary monitoring well was required to obtain a representative groundwater sample from the bottom of the excavation for further evaluation.

2.2 Non-hazardous Soil Disposal Sampling and Analysis

One composite soil sample from the stockpiled material was collected October 5, 2006 for disposal characterization analysis. The sample was analyzed for TPH-GRO, TPH-DRO, and TCLP Metals in accordance with requirements of the disposal facility.

2.3 Groundwater Sampling and Analysis

On November 2, 2006, a groundwater sample from a temporary monitoring well was obtained from the groundwater at the southern (downgradient) end of the excavation. The sample was analyzed for VOCs (Method 601/602), SVOCs (Method 625), and MADEP EPH/VPH. The analytical results are presented in Tables 3.4 and 3.5 and analytical reports are provided in Appendix D.

3.0 POST EXCAVATION SOIL SAMPLE ANALYTICAL RESULTS

The following sections discuss analytical results of the post excavation soil and groundwater samples collected following the UST removal activities.

3.1 North Carolina Regulatory Standards

The UST removal action cleanup criteria for the Tarawa Terrace School Building TT-48 was based on the NCDENR soil action level for TPH-DRO and TPH-GRO of 10 mg/kg and the North Carolina Residential and Soil-to-Groundwater MSCCs.

3.2 UST Confirmation Soil and Groundwater Sampling Analytical Results

Following excavation activities, one soil sample was collected from beneath the UST and one soil sample was collected from each of the four sidewalls. A photocopy of the chain-of-custody for these samples is provided in *Appendix C*.

Analytical results indicated that TPH-DRO was detected at a concentrations ranging from 829 mg/kg in soil sample TT-008 to 9,120 mg/kg in soil sample TT-006. TPH-GRO was detected at a concentrations ranging from 15.6 mg/kg in soil sample TT-009 to 801 mg/kg in soil sample TT-006. The concentrations of all of the constituents were above the NCDENR soil action level of 10 mg/kg. The MCB EMD then requested Shaw to over-excavate the area to remove contaminated soil to below the action level. After the excavation was completed on all sidewalls and the bottom of the excavation, a second set of soil samples were collected. The soil samples were analyzed for VOCs by EPA Method 8260B, SVOCs by EPA Method 8270, and MADEP VPH/EPH. A sample from the bottom of the excavation was not collected due to the closeness of the water table. Analytical results did not detect VOCs, SVOCs, or MADEP-VPH/EPH in excess of North Carolina's Residential or Soil-to-Groundwater MSCCs except for the east sidewall soil sample. After more over excavation on the east wall another soil sample was collected. *Table 3.1* presents TPH-GRO/DRO analytical results. *Table 3.2* presents VOC and SVOC analytical results. *Table 3.3* presents MADEP-VPH/EPH analytical results. Photocopies of the soil sample laboratory analytical reports are provided in *Appendix D*. The soil analytical results are presented on *Figure 1.3*. Because TPH-DRO was detected in all initial soil samples for TT-006 through TT-010, the Navy submitted an UST Form 61 to the NCDENR on October 13, 2006. A copy of the UST Form 61 is provided in *Appendix A*.

3.3 Groundwater Sample Analytical Results

Following backfilling activities, a temporary monitoring well was installed and a groundwater sample was collected and sent to an off-site laboratory for VOCs, SVOCs, and MADEP-VPH/EPH analysis. Photocopies of the chain-of-custody for these samples are provided in *Appendix C*.

Analytical results of the groundwater sample TT-TW-002 detected naphthalene (279 µg/l), 2-Methylnaphthalene (347 µg/l), and the C_9-C_{22} hydrocarbon range aromatics (2400 µg/l) at a concentration in excess of the North Carolina Groundwater Quality Standard (GWQS) in temporary monitoring well sample TT-TW-002. *Tables 3.4 and 3.5* presents the VOCs, SVOCs, and MADEP-VPH/EPH groundwater analytical results. The groundwater sample laboratory analytical reports are provided in *Appendix D.*

3.4 Disposal Sampling Analytical Results

The contaminant concentrations for the composite disposal soil sample from the soil generated from the UST removal activities met the allowable NCDENR regulatory levels for non-hazardous landfill disposal. All of the petroleum contaminated soil was staged on site beside the excavation until transportation and disposal was arranged. The soil was disposed at ES&J Enterprises at 1555 Holland Road in Autryville, NC as "TPH contaminated non hazardous soil". Restoration of the site was conducted by backfilling and compacting with local borrow soil. A photocopy of the manifested soil disposal approval is provided in Appendix B. Manifests are for the total soil volume removed from 3 tank removals at Tarawa Terrace, Tanks #1, #2, and #3. The excavated soils were combined as one removal action. Separate reports will be provided for Tanks #1 and #2. The laboratory analytical reports for the disposal characterization analyses is provided in Appendix D.

4.0 CONCLUSIONS AND RECOMMENDATIONS

On October 4, 2006, Shaw removed a 1,000 gallon single walled steel UST, Tank #3, from former Tarawa Terrace School Building TT-48, Camp Lejeune, North Carolina. The UST had previously contained heating oil. The removal activities revealed soil staining and the presence of a slight petroleum hydrocarbon odor after the UST was removed. The UST removal activities resulted in a total of approximately 272 cubic yards of soil for off-site disposal. Groundwater was encountered during over excavation activities at an approximate depth of 9.0 feet bls.

Soil sample laboratory analytical results from the various excavation efforts are presented in *Tables 3.1* and *3.2* and are summarized below.

- *TPH-DRO/GRO Results*: Soil samples TT-006 through TT-010 from the sidewalls and beneath the UST detected TPH-DRO above the soil action level of 10 mg/kg ranging from 829 mg/kg to 9120 mg/kg and TPH-GRO above the soil action level of 10 mg/kg ranging from 15.6 mg/kg to 801 mg/kg. After additional excavation to remove contaminated soil, MADEP sampling was performed.

- *MADEP-EPH/VPH Results*: Soil samples taken after various excavation efforts had analytical results that were not above North Carolina's Industrial, Residential or Soil-to-Groundwater MSCCs.

- *VOC and SVOC Results*: Soil samples taken after various excavation efforts had analytical results that were not above North Carolina's Industrial, Residential or Soil-to-Groundwater MSCCs.

A groundwater sample was collected from a temporary monitoring well on November 2, 2006. Groundwater analytical results detected naphthalene (279 µg/l), 2-Methylnaphthalene (347 µg/l), and the C_9-C_{22} hydrocarbon range aromatics (2400 µg/l) at concentrations in excess of the North Carolina Groundwater Quality Standard (GWQS) of 21 µg/l, 28 µg/l, and 210 µg/l, respectively.

During the week of November 13-17, 2006, the Tarawa Terrace site contractor (Actus Lend Lease, LLC) excavated additional suspected contaminated soil from a proposed utility trench on the west side of the excavation for Tank #3. A total of 1,675.38 tons of soil was loaded by P&F Environmental and transported to Land Application Facility in Whitakers, North Carolina.

Based on the results of the soil samples collected from the former UST excavation, Shaw recommends that no further action for soil be required. Because naphthalene, Methylnaphthalene, and the C_9-C_{22} hydrocarbon range aromatics were detected in groundwater at concentrations above the GWQS, a Limited Site Assessment Report with respect to the groundwater is recommended.

FIGURES



Shaw™ Shaw Environmental, Inc.

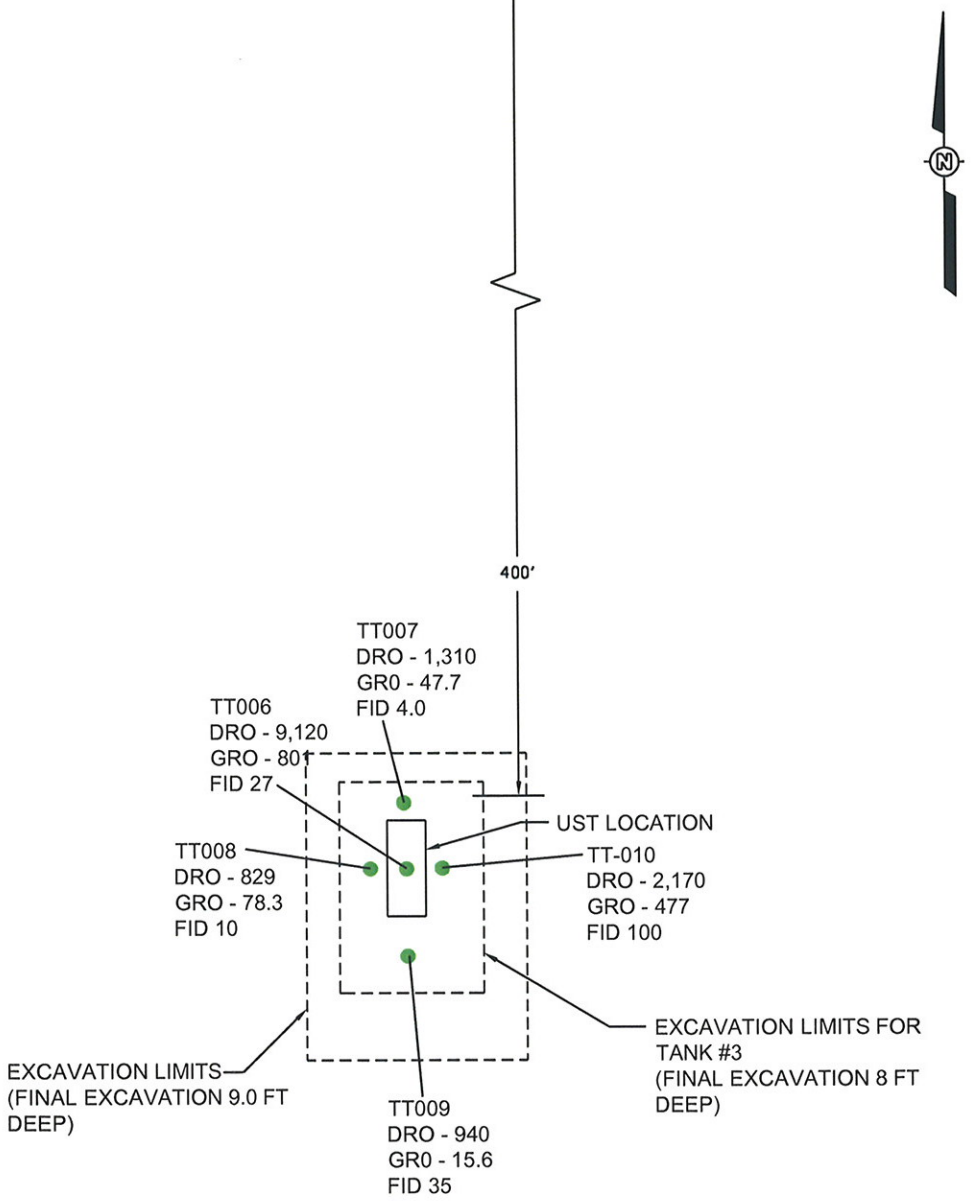
FIGURE 1.1
UST REMOVAL SITE
VICINITY MAP
FORMER TARAWA TERRACE SCHOOL
(BLDG TT-48)
CAMP LEJEUNE, NC



Shaw™ Shaw Environmental, Inc.

FIGURE 1-2
UST SITE LOCATION MAP
FORMER TARAWA TERRACE SCHOOL
(BLDG TT-48)
CAMP LEJEUNE, JACKSONVILLE, NC

SAIPAN DRIVE



LEGEND:

●	SAMPLE LOCATION
TT-004	SAMPLE ID
FID 150	FID READING AT TIME OF EXCAVATION

NOTES:
DRO/GRO UNITS ARE IN mg/kg
FID UNITS IN ppm

20 0 20

1 inch = 20 ft.

REVISIONS					
REV	DATE	BY	CHK'D	APR'VD	DESCRIPTION/ISSUE

Shaw Environmental, Inc. PROJECT NO.109972

DESIGNED BY	RBK	CHECKED BY	RBK
DRAWN BY	JEL	APPROVED BY	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA
NAVAL STATION
MCB CAMP LEJEUNE
JACKSONVILLE, N.C.
TT-48 TANK #3 REMOVAL SITE
CAMP LEJEUNE, JACKSONVILLE, NC
1,000 GALLON HEATING OIL TANK

SCALE: AS SHOWN	SIZE: A
DELIVERY ORDER NO. 033	
CONSTR. CONTRACT NO. N62470-97-D-5000	
NAVFAC DRAWING NO.	
SHEET I.D. 1.3	

TABLES

TABLE 3.1

Tarawa Terrace Building TT-48 UST Tank #3
Soil Confirmation Samples
TPH-GRO/DRO Analytical Results

	Sample Number	TT-006	TT-007	TT-008	TT-009	TT-010	TT-021
	Location	Under Center of UST	North Side of UST	West Side of UST	South Side of UST	East Side of UST	East Side of UST
	Date Sampled	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/4/2006	10/27/2006
	Depth (feet bls)	8.0	8.0	8.0	8.0	8.0	8.0
Parameter							
TPH (mg/kg)	NC Action Level						
DRO	10	**9120**	**1310**	**829**	**940**	**2170**	<8.21
GRO	10	**801**	**47.7**	78.3	**15.6**	**477**	<7.3

ND = Not Detected above Laboratory Method Limit

Bold = Detected Above NCDENR Action Level

Samples analyzed by Accutest

Table 3-2
Tarawa Terrace Building TT-48 Tank #3
VOC and SVOC Confirmation Soil Sample Analytical Results

Date:	10/16/2006		Project Number and Name:	109972 TT-48 Soil Confirmation Tank #3																	
Analytical Method:				8260B																	
Contaminant of Concern			Acetone	Benzene	Bromodichloromethane	Bromoform	Chlorobenzene	Chloroethane	Chloroform	Carbon disulfide	Carbon tetrachloride	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	Di-isopropyl ether	Dibromochloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene
Sample ID	Date Collected	Sample Depth (ft bgs)																			
TT-016 Re-excavation	10/16/2006	8.0	<0.051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
TT-017 Re-excavation	10/16/2006	8.0	<0.047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
TT-018 Re-excavation	10/16/2006	8.0	**0.0651**	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
TT-019 Re-excavation	10/16/2006	8.0	**0.0314**	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
TT-020 Re-excavation	10/16/2006	8.0	**0.038**	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
TT-021 Re-excavation	10/27/2006	8.0	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
Soil to Groundwater MSCC (mg/kg)			3	0.0056	NS	NS	NS	NS	0.001	4	NS	4	0.045	0.0018	0.0029	0.37	0.002	0.35	0.0009	0.38
Residential MSCC (mg/kg)			1564	22	NS	NS	NS	NS	100	1564	NS	1560	1	7	9	156	7	156	4	320
Industrial/Commercial MSCC (mg/kg)			40800	200	NS	NS	NS	NS	938	40880	NS	40000	10	63	84	4088	68	4000	33	8200

Table 3-2
Tarawa Terrace Building TT-48 Tank #3
VOC and SVOC Confirmation Soil Sample Analytical Results

Date: 10/16/2006			Project Number and Name: 109972 TT-48 Soil Confirmation Tank #3																
Analytical Method:			8260B																
Contaminant of Concern			trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	4-Methyl-2-pentanone	Methyl bromide	Methyl chloride	Methylene chloride	Methyl ethyl ketone	Methyl tert Butyl ether	Styrene	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Xylenes (total)
Sample ID	Date Collected	Sample Depth (ft bgs)																	
TT-016 Re-excavation	10/16/2006	8.0	<0.0051	<0.0051	<0.026	<0.026	<0.0051	<0.0051	<0.010	<0.026	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.015
TT-017 Re-excavation	10/16/2006	8.0	<0.0047	<0.0047	<0.024	<0.024	<0.0047	<0.0047	**0.0132**	<0.024	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.014
TT-018 Re-excavation	10/16/2006	8.0	<0.0049	<0.0049	<0.024	<0.024	<0.0049	<0.0049	**0.0139**	<0.024	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.015
TT-019 Re-excavation	10/16/2006	8.0	<0.0046	**0.039**	<0.023	<0.023	<0.0046	<0.0046	**0.0097**	<0.023	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	**0.0159**
TT-020 Re-excavation	10/16/2006	8.0	<0.0047	**0.0699**	<0.023	<0.023	<0.0047	<0.0047	**0.0066**	<0.023	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	**0.0223**
TT-021 Re-excavation	10/27/2006	8.0	<0.0057	<0.0057	<0.029	<0.029	<0.0057	<0.0057	<0.011	<0.029	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.017
Soil to Groundwater MSCC (mg/kg)			0.0009	0.24	1.9	NS	NS	0.02	0.02	0.7	0.92	2.24	NS	0.001	NS	0.0074	7	0.0183	NS	5
Residential MSCC (mg/kg)			4	1560	625	NS	NS	49	85	9385	156	3128	NS	3	NS	12	3200	58	NS	32000
Industrial/Commercial MSCC (mg/kg)			33	40000	16352	NS	NS	440	763	245280	4088	81760	NS	28	NS	110	82000	520	NS	200000

Indicate method detection limit for contaminants when analyzed but not detected (i.e., <1.0)
List any contaminant detected above the method detection limit
MSCC = Maximum Soil Contamination Concentration
ft bgs = feet below ground surface
Results must be reported in mg/kg
mg/kg = milligrams per kilogram
NA = not applicable
NS = no standard

Table 3-2
Tarawa Terrace Building TT-48 Tank #3
VOC and SVOC Confirmation Soil Sample Analytical Results

Date:	10/16/2006		Project Number and Name:	109972 TT-48 Soil Confirmation Tank #3																
Analytical Method:				8270C																
Contaminant of Concern				Benzoic acid	2-Chlorophenol	4-Chloro-3-methylphenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	4,6-Dinitro-o-cresol	2-Methylphenol	3&4-Methylphenol	2-Nitrophenol	4-Nitrophenol	Pentachlorophenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	Acenaphthene	Acenaphthylene
Sample ID	Date Collected	Sample Depth (ft bgs)																		
TT-016 Re-excavation	10/16/2006	8.0		<1.00	<0.20	<0.20	<0.20	<0.20	<1.00	<0.40	<0.20	<0.20	<0.20	<1.00	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20
TT-017 Re-excavation	10/16/2006	8.0		<0.95	<0.19	<0.19	<0.19	<0.19	<0.95	<0.38	<0.19	<0.19	<0.19	<0.95	<0.95	<0.19	<0.19	<0.19	<0.19	<0.19
TT-018 Re-excavation	10/16/2006	8.0		<0.97	<0.19	<0.19	<0.19	<0.19	<0.97	<0.39	<0.19	<0.19	<0.19	<0.97	<0.97	<0.19	<0.19	<0.19	<0.19	<0.19
TT-019 Re-excavation	10/16/2006	8.0		<3.70	<0.74	<0.74	<0.74	<0.74	<3.70	<1.50	<0.74	<0.74	<0.74	<3.70	<3.70	<0.74	<0.74	<0.74	**0.533**	<0.74
TT-020 Re-excavation	10/16/2006	8.0		<3.70	<0.74	<0.74	<0.74	<0.74	<3.70	<1.50	<0.74	<0.74	<0.74	<3.70	<3.70	<0.74	<0.74	<0.74	**0.309**	<0.74
TT-021 Re-excavation	10/27/2006	8.0		<1.10	<0.21	<0.21	<0.21	<0.21	<1.10	<0.43	<0.21	<0.21	<0.21	<1.10	<1.10	<0.21	<0.21	<0.21	<0.21	<0.21
Soil to Groundwater MSCC (mg/kg)				NS	NS	NS	NS	0.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	8	11
Residential MSCC (mg/kg)				NS	NS	NS	NS	312	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	940	469
Industrial/Commercial MSCC (mg/kg)				NS	NS	NS	NS	8176	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	24000	12264

Table 3-2
Tarawa Terrace Building TT-48 Tank #3
VOC and SVOC Confirmation Soil Sample Analytical Results

Date:	10/16/2006		Project Number and Name:	109972 TT-48 Soil Confirmation Tank #3																
Analytical Method:				8270C																
Contaminant of Concern			4-Chlorophenyl phenyl ether	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4-Dinitrotoluene	2,6-Dinitrotoluene	3,3'-Dichlorobenzidine	Dibenzo(a,h)anthracene	Dibenzofuran	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Bis(2-ethylhexyl)phthalate	Fluoranthene	Fluorene	Hexachlorobenzene
Sample ID	Date Collected	Sample Depth (ft bgs)																		
TT-016 Re-excavation	10/16/2006	8.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.20	<0.20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.20	<0.20
TT-017 Re-excavation	10/16/2006	8.0	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.19	<0.19	<0.38	<0.38	<0.38	<0.38	<0.38	<0.19	<0.19	<0.19
TT-018 Re-excavation	10/16/2006	8.0	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.39	<0.19	<0.19	<0.39	<0.39	<0.39	<0.39	<0.39	<0.19	<0.19	<0.19
TT-019 Re-excavation	10/16/2006	8.0	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<1.50	<0.74	**0.532**	<1.50	<1.50	<1.50	<1.50	<1.50	<0.74	**1.57**	<0.74
TT-020 Re-excavation	10/16/2006	8.0	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<1.50	<0.74	**0.338**	<1.50	<1.50	<1.50	<1.50	<1.50	<0.74	**0.866**	<0.74
TT-021 Re-excavation	10/27/2006	8.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.43	<0.21	<0.21	<0.43	<0.43	<0.43	<0.43	<0.43	<0.21	<0.21	<0.21
Soil to Groundwater MSCC (mg/kg)			NS	7	24	1	NS	NS	NS	0.17	4.7	NS	NS	NS	NS	6.67	276	44	NS
Residential MSCC (mg/kg)			NS	1400	1400	27	NS	NS	NS	0.088	62	NS	NS	NS	NS	46	620	620	NS
Industrial/Commercial MSCC (mg/kg)			NS	36000	36000	240	NS	NS	NS	0.78	1635	NS	NS	NS	NS	410	16400	16400	NS

Indicate method detection limit for contaminants when ana
but not detected (i.e., <1.0)
List any contaminant detected above the method detectior
MSCC = Maximum Soil Contamination Concentration
ft bgs = feet below ground surface
Results must be reported in mg/kg
mg/kg = milligrams per kilogram
NA = not applicable
NS = no standard

Table 3-2
Tarawa Terrace Building TT-48 Tank #3
VOC and SVOC Confirmation Soil Sample Analytical Results

Date:	10/16/2006		Project Number and Name:	109972 TT-48 Soil Confirmation Tank #3															
Analytical Method:				8270C															
Contaminant of Concern			Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	4-Bromophenyl phenyl eth	Butyl benzyl phthalate	Benzyl alcohol	2-Chloronaphthalene	4-Chloroaniline	Carbazole	Chrysene	Bis(2-chloroethoxy)methan	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl)ethe
Sample ID	Date Collected	Sample Depth (ft bgs)																	
TT-016 Re-excavation	10/16/2006	8.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.42	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
TT-017 Re-excavation	10/16/2006	8.0	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	
TT-018 Re-excavation	10/16/2006	8.0	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.39	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	
TT-019 Re-excavation	10/16/2006	8.0	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<1.50	<0.74	<0.74	<1.50	<0.74	<0.74	<0.74	<0.74	<0.74	
TT-020 Re-excavation	10/16/2006	8.0	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<1.50	<0.74	<0.74	<1.50	<0.74	<0.74	<0.74	<0.74	<0.74	
TT-021 Re-excavation	10/27/2006	8.0	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.43	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	
Soil to Groundwater MSCC (mg/kg)			995	0.34	0.091	1	6720	12	NS	NS	NS	NS	NS	NS	38	NS	0.0002	NS	
Residential MSCC (mg/kg)			4600	0.88	0.088	0.88	469	9	NS	NS	NS	NS	NS	NS	88	NS	0.58	NS	
Industrial/Commercial MSCC (mg/kg)			122000	8	0.78	8	12264	78	NS	NS	NS	NS	NS	NS	780	NS	5.2	NS	

Table 3-2
Tarawa Terrace Building TT-48 Tank #3
VOC and SVOC Confirmation Soil Sample Analytical Results

Date:	10/16/2006		Project Number and Name:	109972 TT-48 Soil Confirmation Tank #3															
Analytical Method:				8270C															
Contaminant of Concern				Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Phenanthrene	Pyrene	1,2,4-Trichlorobenzene
Sample ID	Date Collected	Sample Depth (ft bgs)																	
TT-016 Re-excavation	10/16/2006	8.0		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
TT-017 Re-excavation	10/16/2006	8.0		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.38	<0.38	<0.38	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
TT-018 Re-excavation	10/16/2006	8.0		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.39	<0.39	<0.39	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
TT-019 Re-excavation	10/16/2006	8.0		<0.74	<0.74	<0.74	<0.74	<0.74	**6.91**	<1.50	<1.50	<1.50	**0.594**	<0.74	<0.74	<0.74	**2.66**	**0.443**	<0.74
TT-020 Re-excavation	10/16/2006	8.0		<0.74	<0.74	<0.74	<0.74	<0.74	**3.69**	<1.50	<1.50	<1.50	**0.361**	<0.74	<0.74	<0.74	**1.47**	<0.74	<0.74
TT-021 Re-excavation	10/27/2006	8.0		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.43	<0.43	<0.43	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Soil to Groundwater MSCC (mg/kg)				0.26	NS	NS	3	NS	3	NS	NS	NS	0.58	NS	NS	NS	60	286	2.6
Residential MSCC (mg/kg)				3.1	NS	NS	0.88	NS	63	NS	NS	NS	63	NS	NS	NS	469	469	156
Industrial/Commercial MSCC (mg/kg)				73	NS	NS	8	NS	1635	NS	NS	NS	1635	NS	NS	NS	12264	12264	4088

Indicate method detection limit for contaminants when ana
but not detected (i.e., <1.0)
List any contaminant detected above the method detectior
MSCC = Maximum Soil Contamination Concentration
ft bgs = feet below ground surface
Results must be reported in mg/kg
mg/kg = milligrams per kilogram
NA = not applicable
NS = no standard

Table 3.3
Tarawa Terrace Shopping Center
MADEP-EPH/VPH Summary Confirmation soil Sample Analytical Results

Sample Information and Analytical Results TT-48 Tank 3										
Method for Ranges: MADEP-EPH/VPH		**Sample Identification**			TT-016	TT-017	TT-018	TT-019	TT-020	TT-021
Hydrocarbon Ranges	**Units of Measure**	**Residential**	**Industrial**	**Soil to Water**						
C9-C18 Aliphatics	mg/kg	9,386	245,280	3,255	<8.0	<7.5	106	2,240	2,470	<10.0
C19-C36 Aliphatics	mg/kg	93,860	#	#	<8.0	<7.5	20.9	636	672	<10.0
C9-C22 Aromatics (Unadj.)	mg/kg	469	12,264	34	<8.0	<7.5	44.5	**1,395**	**2,008.9**	<10.0
C5-C8 Aliphatics	mg/kg	939	24,528	72	<4.1	<4.5	<3.7	<3.4	<24	<4.3

= Health Based Level >100% Solubility

Table 3.4
Building TT-48 Tank #3
VOC and SVOC Groundwater Sample Analytical Results

Date:	11/2/2006		Project Number and Name:	109972 Building TT-48 Tank #3																
Analytical Method:				601/602																
Contaminant of Concern				Acetone	Benzene	Bromodichloromethane	Bromoform	Chlorobenzene	Chloroethane	Chloroform	Carbon disulfide	Carbon tetrachloride	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	Dibromochloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	trans-1,2-Dichloroethene
Sample ID	Date Collected	Sample Depth (ft bgs)																		
TT-48 Tank #3 TT-TW-002	11/2/2006	N/A		N/A	<1	N/A	N/A	<1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			GWQS (ug/L)	700	1	NS	NS	NS	NS	0.00019	700	NS	700	7	0.38	0.56	0.002	70	0.2	70
			GCL (ug/L)	700000	5000	NS	NS	NS	NS	190	700000	NS	700000	7000	380	560	68	70000	200	70000

Date:	11/2/2006		Project Number and Name:	109972 Building TT-48 Tank #3																
Analytical Method:				601/602																
Contaminant of Concern				trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	4-Methyl-2-pentanone	Methyl bromide	Methyl chloride	Methylene chloride	Methyl ethyl ketone	Methyl Turt Butyl Ether	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	Tetrachloroethene	Toluene	Trichloroethene	Vinyl chloride	Xylenes (total)
Sample ID	Date Collected	Sample Depth (ft bgs)																		
TT-48 Tank #3 TT-TW-002	10/3/2005	N/A		N/A	<1	N/A	N/A	N/A	N/A	N/A	N/A	<1	N/A	N/A	N/A	N/A	<1	N/A	N/A	<3
			GWQS (ug/L)	0.2	29	280	NS	NS	2.6	5	170	0.1	NS	0.17	NS	0.7	1000	2.8	0.015	530
			GCL (ug/L)	200	29000	280000	NS	NS	2600	5000	170000	100000	NS	170	NS	700	257500	2800	15	87500

Indicate method detection limit for contaminants when analyzed but not detected (i.e., <1.0)
List any contaminant detected above the method detection limit
Detectable concentration exceeds GWQS
GWQS = Groundwater Quality Standard
GCL = Groundwater Contamination Level
Results must be reported in ug/L
ug/L = micrograms per liter
J = detectable concentration below reporting limit
NA = not applicable
NS = no standard

Table 3.4
Building TT-48 Tank #3
VOC and SVOC Groundwater Sample Analytical Results

Date:	11/2/2006		Project Number and Name:	109972 Building TT-48 Tank #3																
Analytical Method:				625																
Contaminant of Concern				Benzoic acid	2-Chlorophenol	4-Chloro-3-methylphenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	4,6-Dinitro-o-cresol	2-Methylphenol	3&4-Methylphenol	2-Nitrophenol	4-Nitrophenol	Pentachlorophenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	Acenaphthene	Acenaphthylene
Sample ID	Date Collected	Sample Depth (ft bgs)																		
TT-48 Tank #3 TT-TW-002	11/2/2006	N/A		<24	<4.8	<4.8	<4.8	<4.8	<24	<9.6	<4.8	<4.8	<4.8	<24	<24	<4.8	<4.8	<4.8	6.0	1.5 J
		GWQS (ug/L)		28000	NS	NS	NS	140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	80	210
		GCL (ug/L)		1450000	NS	NS	NS	140000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2120	1965

Date:	11/2/2006		Project Number and Name:	109972 Building TT-48 Tank #3																
Analytical Method:				625																
Contaminant of Concern				4-Chlorophenyl phenyl ethe	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4-Dinitrotoluene	2,6-Dinitrotoluene	3,3'-Dichlorobenzidine	Dibenzo(a,h)anthracene	Dibenzofuran	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Bis(2-ethylhexyl)phthalate	Fluoranthene	Fluorene	Hexachlorobenzene
Sample ID	Date Collected	Sample Depth (ft bgs)																		
TT-48 Tank #3 TT-TW-002	10/3/2005	N/A		<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	7.4	24.2	<4.8	<4.8	<4.8	<4.8	<4.8	8.9	<4.8
		GWQS (ug/L)		NS	620	620	75	NS	NS	NS	0.0047	28	NS	NS	NS	NS	3	280	280	NS
		GCL (ug/L)		NS	72500	61500	39500	NS	NS	NS	0.25	2800	NS	NS	NS	NS	3000	280	950	NS

Indicate method detection limit for contaminants when analyzed but not detected (i.e., <1.0)
List any contaminant detected above the method detection limit
Detectable concentration exceeds GWQS
GWQS = Groundwater Quality Standard
GCL = Groundwater Contamination Level
Results must be reported in ug/L
ug/L = micrograms per liter
J = detectable concentration below reporting limit
NA = not applicable
NS = no standard

Table 3.4
Building TT-48 Tank #3
VOC and SVOC Groundwater Sample Analytical Results

Date:	11/2/2006		Project Number and Name:	109972 Building TT-48 Tank #3															
Analytical Method:				625															
Contaminant of Concern				Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	4-Bromophenyl phenyl et	Butyl benzyl phthalate	Benzyl alcohol	2-Chloronaphthalene	4-Chloroaniline	Carbazole	Chrysene	Bis(2-chloroethoxy)meth	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl)eth
Sample ID	Date Collected	Sample Depth (ft bgs)																	
TT-48 Tank #3 TT-TW-002	11/2/2006	N/A		<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	3.7 J	<4.8	<4.8	<4.8	<4.8
		GWQS (ug/L)		2100	0.05	0.0047	0.047	210	0.47	NS	NS	NS	NS	NS	NS	5	NS	0.031	NS
		GCL (ug/L)		2100	22	1.5	0.6	210	0.47	NS	NS	NS	NS	NS	NS	5	NS	31	NS

Date:	11/2/2006		Project Number and Name:	109972 Building TT-48 Tank #3															
Analytical Method:				625															
Contaminant of Concern				Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Naphthalene	Nitrobenzene	N-Nitroso-di-n-propylamine	N-Nitrosodiphenylamine	Phenanthrene	Pyrene	1,2,4-Trichlorobenzene
Sample ID	Date Collected	Sample Depth (ft bgs)																	
TT-48 Tank #3 TT-TW-002	10/3/2005	N/A		<4.8	<4.8	<4.8	<4.8	<4.8	**347**	<9.6	<9.6	<9.6	**279**	<4.8	<4.8	<4.8	7.7	<4.8	<4.8
		GWQS (ug/L)		44	NS	NS	0.047	NS	28	NS	NS	NS	21	NS	NS	NS	210	210	70
		GCL (ug/L)		440	NS	NS	31	NS	12500	NS	NS	NS	15500	NS	NS	NS	410	210	9500

Indicate method detection limit for contaminants when analyzed but not detected (i.e., <1.0)
List any contaminant detected above the method detection limit
Detectable concentration exceeds GWQS
GWQS = Groundwater Quality Standard
GCL = Groundwater Contamination Level
Results must be reported in ug/L
ug/L = micrograms per liter
J = detectable concentration below reporting limit
NA = not applicable
NS = no standard

Table 3.5
Building TT-48 Tank #3
MADEP-EPH/VPH Summary Groundwater Sample Analytical Results

Method for Ranges: MADEP-EPH/VPH		**Sample Identification**	TT-TW-002
Hydrocarbon Ranges	**Units of Measure**	**GWQS**	
C9-C18 Aliphatics	ug/l	4,200	350
C19-C36 Aliphatics	ug/l	42,000	<100
C9-C22 Aromatics (Unadj.)	ug/l	210	**2400**
C5-C8 Aliphatics	ug/l	420	<75

Bold = Detected Above Laboratory Reporting Limit

Shaded = Above GWQS

APPENDIX A

SITE INVESTIGATION REPORT for PERMANENT CLOSURE or CHANGE in SERVICE OF UST (UST-2 FORM)

24 HOUR RELEASE AND UST REPORTING FORM (UST FORM 61)

UST-2 Site Investigation Report for Permanent Closure or Change-in-Service of UST

FOR TANKS IN NC

Return completed form to:
The DWM Regional office in the area the facility is located. SEE MAP ON THE BACK OF THIS FORM FOR REGIONAL OFFICE ADDRESSES. Return the yellow copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED".

STATE USE ONLY:
I.D. #
Date Received

I. OWNERSHIP OF TANKS

COMMANDING GENERAL, MCB
Owner Name (Corporation, Individual, Public Agency, or Other Entity)
P.O. BOX 20004
Street Address
JACKSONVILLE | ONSLOW
City | County
NORTH CAROLINA | 28542
State | Zip Code
910 | 451-5068
Area Code | Phone Number

II. LOCATION OF TANKS

TARAWA TERRACE BUILDING TT-48
Facility Name or Company
NON-REGULATED
Facility ID # (If known)
SAIPAN DRIVE AND GARAPAN PLAZA
Street Address
CAMP LEJEUNE | ONSLOW | 28542
City | County | Zip Code
910 | 451-9017
Area Code | Phone Number

III. CONTACT PERSONNEL

Name ANDREW SMITH Job Title ENVIRONMENTAL ENGINEER Tel. No. 910 451-9017
Closure Contractor JAMES WILSON Address ALPHARETTA, GA Tel. No. 770 667-7798
Primary Consultant JAMES WILSON Address ALPHARETTA, GA Tel. No. 770 667-7798
Lab ACCUTEST Address ORLANDO, FL Tel. No. 407 425-6700

IV. UST INFORMATION / V. EXCAVATION CONDITION

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in excavation Yes	Water in excavation No	Free product Yes	Free product No	Notable odor or visible soil contamination Yes	Notable odor or visible soil contamination No
1	1,000	4'x 11'	HEATING OIL		✓		✓		✓

VI. ADDITIONAL INFORMATION

See reverse side of pink copy (owner's copy) for additional information required by NC DWM in the written report and sketch.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

VII. CHECKLIST (CHECK THE ACTIVITIES COMPLETED)

PERMANENT CLOSURE (For Removal or Abandonment-in-Place)

- ☑ Contact local fire marshal
- ☑ Notify DWM Regional Office before abandonment
- ☐ Drain and flush piping into tank
- ☑ Remove all product and residuals from tank
- ☑ Excavate down to tank
- ☑ Clean and inspect tank
- ☑ Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps, and all other tank fixtures
- ☑ Cap or plug all lines except the vent and fill lines
- ☐ Purge the tank of all product and flammable vapors
- ☑ Cut one or more large holes in the tank
- ☑ Backfill the area

Date tank(s) Permanently Closed: 10/04/06

Date of Change in-service: 10/04/06

ABANDONMENT IN PLACE

- ☐ Fill tank until material overflows tank opening
- ☐ Plug or cap all openings
- ☐ Disconnect and cap or remove vent line
- ☐ Solid inert material used --specify

REMOVAL

- ☑ Create vent hole
- ☑ Label tank
- ☑ Dispose of tank in approved manner. Final tank destination:

BASE LANDFILL

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

Print name and official title of owner or owner's authorized representative	Signature	Date Signed
JAMES R. WILSON	James R Wilson	11/6/06

Completed UST closure reports, along with a copy of the UST-2 form, should be received by the appropriate Division of Waste Management (DWM) Regional Office within thirty (30) days following closure activities.

Effective February 1, 1995, all UST closure reports must be submitted in the format provided in the UST-12 form. A copy of the UST-12 form can be obtained from the Central Office for a fee of $4.00. .

You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dump sites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage which occurs.

NCDENR

North Carolina Department of Environment and Natural Resources

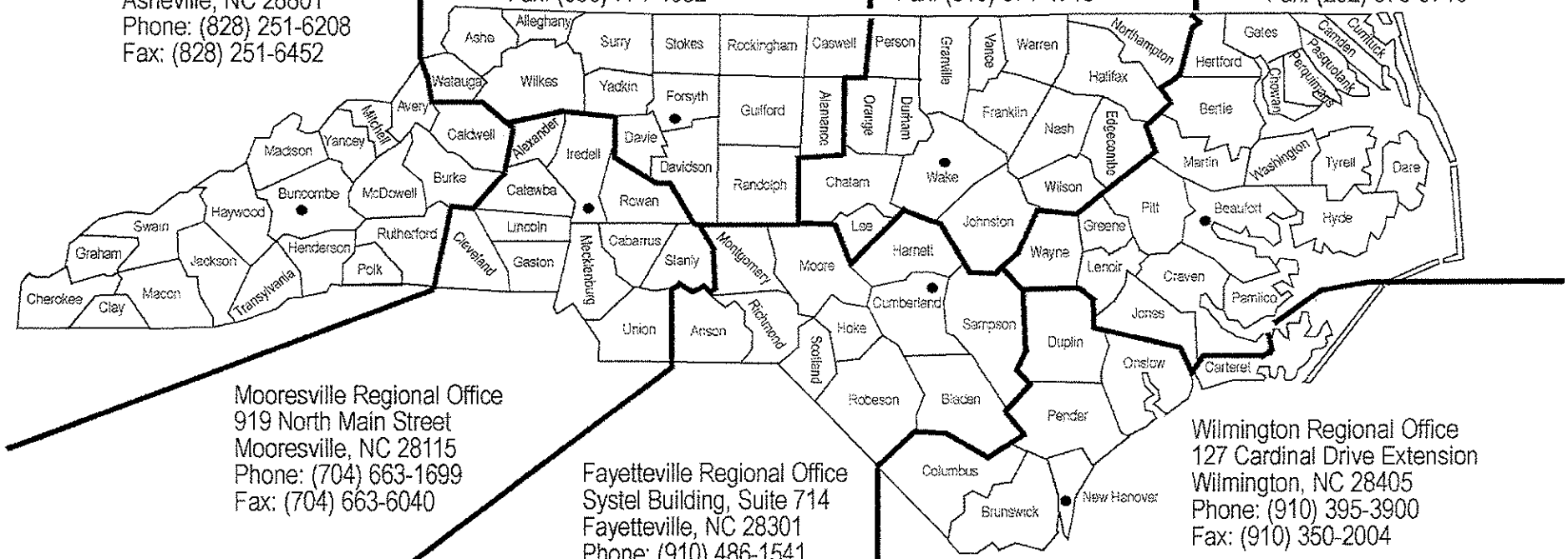
Division of Waste Management
UST Section Central Office
1637 Mail Service Center
Raleigh, NC 27699-1637
(919) 733-8486 FAX (919) 733-9413

Asheville Regional Office
Interchange Building
59 Woodfin Place
Asheville, NC 28801
Phone: (828) 251-6208
Fax: (828) 251-6452

Winston-Salem Regional Office
585 Waughtown Street
Winston-Salem, NC 27107
Phone: (336) 771-4600
Fax: (336) 771-4632

Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
Phone: (919) 571-4700
Fax: (919) 571-4718

Washington Regional Office
943 Washington Square Mall
Washington, NC 27889
Phone: (252) 946-6481
Fax: (252) 975-3716



Mooresville Regional Office
919 North Main Street
Mooresville, NC 28115
Phone: (704) 663-1699
Fax: (704) 663-6040

Fayetteville Regional Office
Systel Building, Suite 714
Fayetteville, NC 28301
Phone: (910) 486-1541
Fax: (910) 486-0707

Wilmington Regional Office
127 Cardinal Drive Extension
Wilmington, NC 28405
Phone: (910) 395-3900
Fax: (910) 350-2004

Department of Environment and Natural Resources, Division of Waste Management, Underground Storage Tank Section

24-Hour Release and UST Leak Reporting Form

This form should be completed and submitted to the UST Section's regional office following a known or suspected release from an underground storage tank (UST) system. This form is required to be submitted within 24 hours of discovery of a known or suspected release.

(DWM USE ONLY)
Incident # _____ Risk (H,I,L,U)_____
Received On _____ Received By _____
Reported by (*circle one*): Phone, Fax or Report
Region _____

Suspected Contamination? (Y/N) Y
Confirmed GW Contamination? (Y/N) N
Confirmed Soil Contamination ?(Y/N) Y
Free Product ? (Y/N) N If Yes, State Greatest Thickness _____

Facility ID Number NA
Date Leak Discovered 10.13.06
Comm/~~Non-Commercial~~? _____
Reg/~~Non-regulated~~? _____

INCIDENT DESCRIPTION

Incident Name: Former TT School - Tank 3 (Former Building TT-48)

Address: Saipan Drive | County: Onslow

City/Town: Camp Lejeune | Regional Office (*circle one*): Asheville, Mooresville, Fayetteville, Raleigh, Washington, ~~Wilmington~~, Winston-Salem

Latitude (dd.mm.ssss): 34.44.70 Longitude (ddd.mm.ssss) : 77.22.34 Confirmed by GPS? (Y/N) N

Briefly describe suspected or confirmed release: *(including but not limited to: nature of release, date of release, amount of release, amount of free product present and recovery efforts, initial responses conducted, impacts to receptors)*

Soil samples taken from former UST basin indicate petroleum contamination is present. Overexcavation of soils within the basin will be conducted in an attempt to minimize contamination. There is no indication of impact to groundwater at this time.

HOW RELEASE WAS DISCOVERED

(Check one)

- [x] Release Detection Equipment or Methods
- [ ] During UST Closure/Removal
- [ ] Property Transfer
- [ ] Visual/Odor
- [ ] Water in Tank
- [ ] Water Supply Well Contamination
- [ ] Groundwater Contamination
- [ ] Surface Water Contamination
- [ ] Other (specify) _____

SOURCE OF CONTAMINATION

Primary Source of Contamination *(Check one)*

- [ ] Suspected UST Release
- [x] Confirmed UST Release *(Also check one below):*
  - [ ] A. Dispenser
  - [ ] B. Line Release
  - [x] C. Tank Release
  - [ ] D. Spill/Overfill
  - [ ] E. Exact Failure Location Unknown or Multiple Failures
- [ ] Unknown Source (Believed to be UST Source, explain in "Incident Description" above)

Primary Contaminant Type *(Check one)*

- [ ] Gasoline/Diesel/Kerosene
- [x] Heating Oil
- [ ] Other Petroleum Products
- [ ] Metals
- [ ] Other Inorganics
- [ ] Other Organics

Location *(Check one)*

- [x] Facility
- [ ] Residence
- [ ] Other

Setting *(Check one)*

- [x] Residential
- [ ] Industrial
- [ ] Urban
- [ ] Rural

Ownership
1. Municipal 2. Military 3. Unknown 4. Private 5. Federal 6. County 7. State

Operation Type
1. Public Service 2. Agricultural 3. Residential 4. Education/Relig. 5. Industrial 6. Commercial 7. Mining

IMPACT ON DRINKING WATER SUPPLIES

Water Supply Wells Affected? 1. Yes 2. No 3. (Unknown)

Number of Water Supply Wells Affected _____

Water Supply Wells Contaminated: (*Include Users Names, Addresses and Phone Numbers. Attach additional sheet if necessary*)

1.

2.

3.

UST SYSTEM OWNER

UST Owner/Company			
Commanding Officer, MCB Camp Lejeune			
Point of Contact MCBCL Environmental Management Division		Address Bldg 12 McHugh Blvd	
City Camp Lejeune, NC	State NC	Zip Code 28542	Telephone Number 910.451.5068

UST SYSTEM OPERATOR

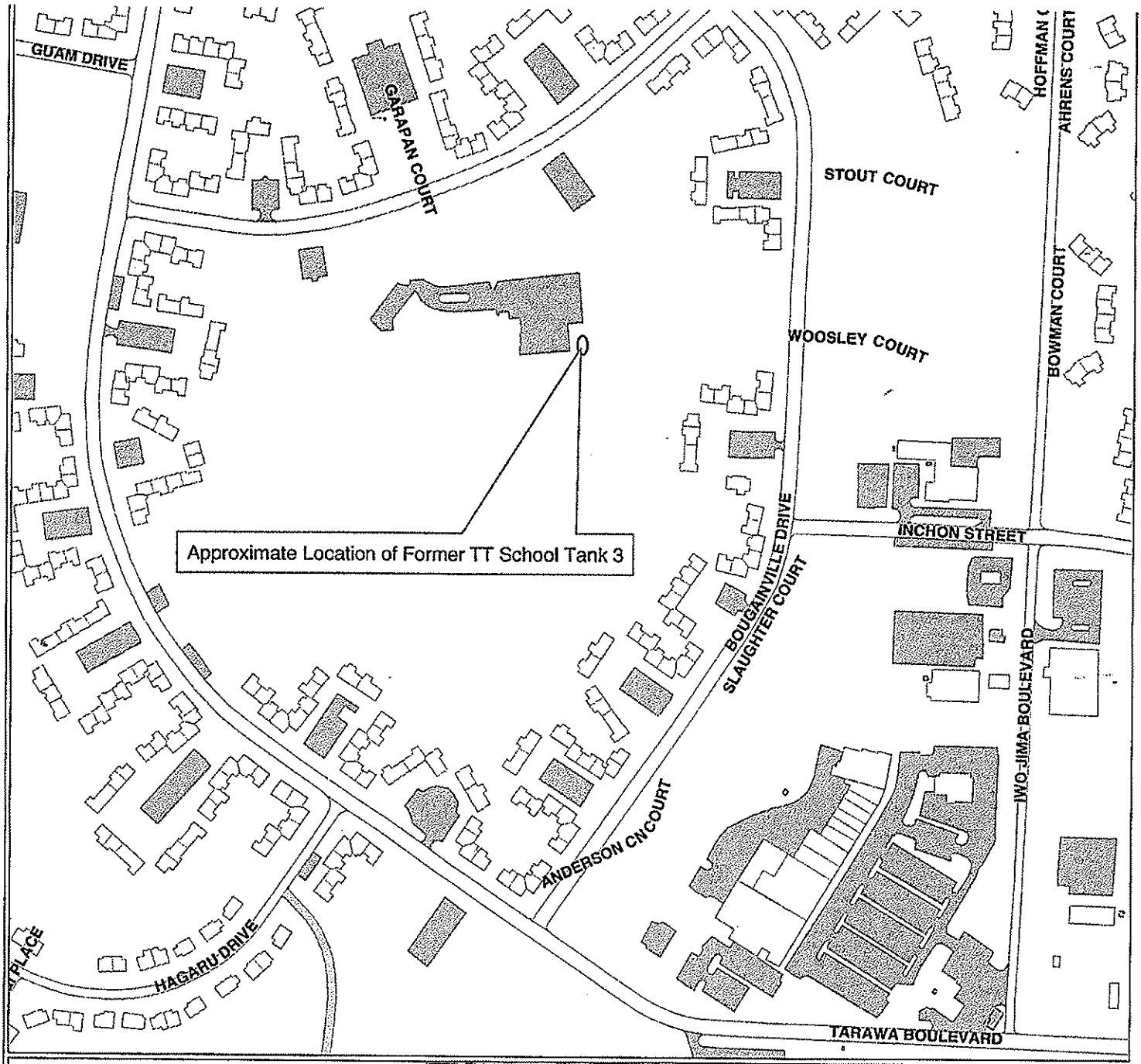
UST Operator/Company NA - Tank was not in use		Address	
City	State	Zip Code	Telephone Number

LANDOWNER AT LOCATION OF UST INCIDENT

Landowner Commanding Officer, MCB Camp Lejeune		Address Bldg 12 McHugh Blvd	
City Camp Lejeune, NC	State NC	Zip Code 28542	Telephone Number 910.451.5068

Draw Sketch of Area (showing two major road intersections) or Attach Map

Person Reporting Incident Andrew Smith	Company MCBCL Environmental Management Division	Telephone Number 910.451.5068
Title Environmental Engineer	Address Bldg 12 McHugh Blvd	Date 10.13.06



Author: A. Smith
Organization: Camp Lejeune Environmental Management Division
Telephone: 910.451.9017

N

Map Projection: UTM (NAD83, GRS 1980)

Map Generated using the Geographic Information System
Managed by the GIS Office
Communications/Information Technology Services Division (CITSD)
Business & Logistics Support Department (BLSD)

NOTE: THIS MAP IS FOR REFERENCE ONLY
THIS MAP IS FOR OFFICIAL USE ONLY (FOUO)

Although every effort has been made to ensure the accuracy of information, errors and conditions originating from the physical sources used to develop the database may be reflected in the data supplied. The requestor must be aware of data conditions and ultimately bear responsibility for the appropriate use of the information with respect to possible errors, original map scale, collection methodology, currency of data, and other specific conditions to certain data.

Former Tarawa Terrace School
(Bldg TT-48)

APPENDIX B

UST AND SOIL DISPOSAL MANIFEST

Tank Disposal Manifest

1. **Tank Owner:**
   Commanding General, Marine Corps Base, Camp Lejeune, NC 28542
   Attention: I & E Department, Environmental Management Division

2. **Tank Owner/ Authorized Representative:**
   Contact: Bruce Markwick
   Phone: 910 451-9660

3. **Description of Tanks:**

Tank I.D. #	Capacity	Previous Contents	Comments
TT TANK #3	1000 GALLON	HEATING OIL	

4. **Transporter:**
   The undersigned Certifies that the above named tank (s) have been demolished and transported to an approved landfill.

Larry Swallows	Larry Swallows	10/4/06
Print Name	**Signature**	**Month/Day/Year**

5. **Disposal Certification:**
   The undersigned certifies that the above named storage tanks (s) have been cut into scrap and accepted by the facility.

   Name of Landfill or receiving Facility:

   J & R Salvage

   Received By:

Todd White		10-24-06
Print Name	**Signature**	**Month/Day/Year**

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC6170022580 | Manifest Doc. No. 0651.9 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
ACS I&E EMD m/c Base
PSC Box 20004 Camp Lejeune, NC
6. Generator's Phone (910) 451 1482

4. Site: Physical Location
Camp Lejeune
TT II

5. Owner of Contamination:
Name:
Address:
Phone #:

TRANSPORTER

7. Transporter 1 Company Name
ES&J Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - NON Haz	001	DT	23.36	TON
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

CDL# 3753391 TRK# 160 Tag # VA 94097

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: EUGENE JONES | Signature | Month 10 Day 31 Year 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Johnny Tanner | Signature | Month 10 Day 31 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Rick Wms | Signature | Month 10 Day 31 Year 06

Published by J.J. KELLER & ASSOCIATES, INC., Neenah, WI USA (800) 327-6868 Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
NC6170022580	065870	

3. Generator's Name and Mailing Address
Commanding General
ACS I&E EMD M/C Base
PSC Box 20047 Camp Lejeune, NC

6. Generator's Phone (910) 451 1482

4. Site: Physical Location
CAMP LEJEUNE
TT II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name	8. US EPA ID Number	A. Transporter's Phone
E S & J ENTERPRISES		910 567 6138

9. Designated Facility Name and Site Address	10. US EPA ID Number	B. Facility's Phone
E S & J ENTERPRISES 1555 Holland Rd. Autryville, NC 28318	S.R.0.6.0.0.0.3.5. . .	(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil			~~24.75~~	LBS.
b. TPH Contaminated Soil - NON Haz	001	DT	24.75	TONS
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

CDL# 3753391 TRK# 160 Tag# YA 94097

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
George L. Taylor		10	31	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Johnny Tanner		10	31	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rick Winn		10	31	06

GENERATOR / TRANSPORTER / FACILITY

Published by J. J. KELLER & ASSOCIATES, Inc. Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NCU170022580 | Manifest Doc. No. 06515 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
ACS I&E EMD M/a Base
PSC Box 2004 Camp LeJeune, NC
6. Generator's Phone (910) 451 1482

4. Site: Physical Location
Camp LeJeune
T. T. II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name
ES&J Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567 6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - NON Haz	001	DT	24.76	TONS
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CDL# 3753391 TRK# 160 Tag# 1A 94097

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are ~~not~~ subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: EUGENE JONES | Signature | Month 10 Day 30 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
X Printed/Typed Name: Johnny Turner | Signature X | Month 10 Day 30 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rick Wms | Signature | Month 10 Day 30 Year 06

Published by J.J. KELLER & ASSOCIATES, INC.® Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
NCR 7002580	06514	

3. Generator's Name and Mailing Address
Commanding General
AC-Site EMD m/c code
PSC 80-4 Box 20004 Camp Lejeune
NC 28542-0004
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T. T II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name

8. US EPA ID Number

A. Transporter's Phone
910 - 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS
b. TPH II Contaminated Soil Non Haz	001	DT	23.6	TON
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CDL # 375391 TRK # 160 Tag # VA 6404

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
George L. Taylor		10	27	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X Johnny Tanner	X	10	27	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rick Wms		10	27	06

GENERATOR
TRANSPORTER
FACILITY

Published by J. J. KELLER & ASSOCIATES, INC.® Neenah, WI
USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
NC 6170023580	06513	

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC Site EMD M/C Case
PSC Box 20004 Camp LeJeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp LeJeune
T.T. II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name
ES&J Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567 6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - NON Haz	001	DT	25	TON
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CDL # 5x1x1x5x5 NC TRK # 7149 Tag # 2W 5553

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
George L. Taylor		10	26	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Mark Mathis		10	26	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rick Wms		10	26	06

Published by J.J. KELLER & ASSOCIATES, INC., Neenah, WI
USA (800) 327-6868 • Printed in the United States

GENERATOR'S COPY

This form must be typed (Forms designed for use on elite (12-pitch) typewriter).

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC6170002580 | Manifest Doc. No. 06510 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC Site EMD M/C Case
PSC Box 20004 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T. T. II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name
ES & J Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567 6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - NON Haz	001	DT	23	tons
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CDL # 3412310 TRK# mac 38 tag# LK3020

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: George L Taylor | Signature | Month 10 Day 26 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month 10 Day 26 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ricky Wms. | Signature | Month 10 Day 26 Year 06

Published by J. J. KELLER & ASSOCIATES, INC. Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
NC 6170002580	06612	

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC Site EMS m/c case
PSC Box 2004 Camp Lejeune, NC
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune

5. Owner of Contamination:
Name:
Address:
Phone #:

TRANSPORTER

7. Transporter 1 Company Name
E S & J Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567 6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - NON Haz	001	DT	25	TON
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
COL # 7833774 TRK # PA218 TRL # LV-4186 N.C.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
George L. Taylor		10	26	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X Robert D Pollard JR.	X R. Pollard JR.	10	26	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rick Cahoon	Rick Cahoon	10	26	06

Published by LAF KELLER & ASSOCIATES, INC., Neenah, WI
USA • (800) 327-8868 • Printed in the United States

TRANSPORTER #2

Please print or type (Form designed for use on elite (12 pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC6170022580 | Manifest Doc. No. 06511 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
COMMANDING GENERAL
AC site EMD m/c case
PSC Box 20041 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
CAMP LEJEUNE
T.T. II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name
ESJ Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567 6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH CONTAMINATED SOIL - NON Haz	001	DT	24.07	TONS
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CDL# 8943084 TRK# SR33 TAG# PT 63805 NC

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: George L. Taylor | Signature | Month 10 Day 26 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: X DAVID A WILLIAMS JR | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ricic Wms | Signature | Month 10 Day 26 Year 06

Published by J. J. KELLER & ASSOCIATES, INC. - Neenah, WI USA - (800) 327-6868 - Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC6170002580 | Manifest Doc. No. 06509 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC site EMD M/C case
PSC Box 2004 Camp Lejeune NC
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T.T. II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name
ES&J Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567 6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - NON Haz	001	DT	26 00	Tons
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CDL# 29922995 TRK# #02 Tag# VA 930336

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
George L Taylor		10	26	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X SSR 910 HERNANDEZ		10	26	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		10	26	06

Published by KELLER ASSOCIATES, INC., Neenah, WI USA • (800) 327-8366 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type
Form designed for use on elite (12-pitch) typewriter

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC6170025580 | Manifest Doc. No. 06508 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
A/C Site EMD M/C Case
PSC Box 20041 Camp Lejeune, NC

4. Site: Physical Location
Camp Lejeune
T.T. II

5. Owner of Contamination:
Name:
Address:
Phone #:

6. Generator's Phone (910) 451-1482

7. Transporter 1 Company Name
ES & J Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - Non Haz	001	DT	25.00	TONS
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CDL# 3753391 TRK# 160 Tag# YH 9409M

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: George L Taylor | Signature | Month 10 Day 26 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: X Johnny Tanner | Signature | Month 10 Day 26 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ricil Wms. | Signature | Month 10 Day 26 Year 06

Published by J.J. KELLER & ASSOCIATES, INC., Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite/12 pitch typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC.6170002580 | Manifest Doc. No. 0.6.5.0.6 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
A/C site EMD M/C Case
PSC Box 2004 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T.T. FF

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name
ES & J Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5. . .

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - Non Haz	001	DT	22.84	Tons
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CDL # 3412310 TRK # MAC 38 LK 3020

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Jon A. Myers, II		10	26	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		10	26	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D Fancett		10	26	06

Published by J. J. KELLER & ASSOCIATES, INC., Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC 4170002580 | Manifest Doc. No. 06505 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC-Site ENTS M/C Case
PSC Box 20004 Camp Lejeune
6. Generator's Phone (910)

4. Site: Physical Location
Camp Lejeune
T. T II

5. Owner of Contamination:
Name:
Address:
Phone #:

TRANSPORTER

7. Transporter 1 Company Name
ES & J ENTERPRISES

8. US EPA ID Number

A. Transporter's Phone
(910) 567-4138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TpH Contaminated Soil - Non Haz	001	DT	22.43	TONS
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CDL # 8943084 — SOUTH RIVER — 12 KSR33 — NCPT 63805 — Tag #

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Jon A. Myers II	Jon A. Myers II	10	26	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAVID A WILLIAMS JR	David A. Williams Jr			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D FAIRCLOTH	D Faircloth	10	26	06

Published by J. J. KELLER & ASSOCIATES, INC., Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
Form designed for use on elite (12-pitch) typewriter.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NC.G.1.7.0.0.2.5.8.0.
Manifest Doc. No.: 06504
2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC-Site Env m/c Case
PSC 1504 Box 9004 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T T II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name: E&J Enterprises
8. US EPA ID Number:
A. Transporter's Phone: (910) 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318
10. US EPA ID Number: S.R.0.6.0.0.0.3.5.
B. Facility's Phone: (910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - Non-Haz	0.0.1	D.T	23.61	TON
c.				
d.				

D. Additional Descriptions for Materials Listed Above
LP 7436
CDL # 2749420 TRK # 45 Tag #

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Jon A. Mayes, II	Jon A. Mayes	10	26	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Stan Core	Stan Core	10	26	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
D Faircloth	D Faircloth	10	26	06

Published by J. J. KELLER & ASSOCIATES, INC. Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Type or print in ink (12 pitch typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC 6170025 80 | Manifest Doc. No. 06501 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
A/C Site EMD m/c case
PSC Box 2004 Camp Lejeune
6. Generator's Phone (910) 451 1482

4. Site: Physical Location
Camp Lejeune
T. T. II

5. Owner of Contamination:
Name:
Address:
Phone #:

TRANSPORTER

7. Transporter 1 Company Name
ES & J Enterprises

8. US EPA ID Number

A. Transporter's Phone
910 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - NON Haz	001	DT	24.04	Tons
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CDL# 7767058 TRK# 206 Tag# LW2852NC

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Geoffrey L Taylor		10	26	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X Emanuel Boone	X	10	26	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rick Wms.	Rick Wms.	10	26	06

Published by J. J. KELLER & ASSOCIATES, INC. - Neenah, WI
USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC6170002580 | Manifest Doc. No. 06500 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC-Site ENMD m/c Case
PSC Box Camp Lejeune N.C
6. Generator's Phone (910)

4. Site: Physical Location
Camp Lejeune
T T II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name
E&J Enterprises

8. US EPA ID Number

A. Transporter's Phone (910) 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil - Non Haz	001	DT	26.34	TON
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CDL# 3753391 TRK# 160 Tag# YA-94097

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Geory L Taylor | Signature | Month 10 Day 26 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: X Johnny Tanner | Signature: X Johnny Tanner | Month 10 Day 26 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: RICK Wms. | Signature | Month 10 Day 26 Year 06

Published by J. J. KELLER & ASSOCIATES, INC. Neenah, WI
USA 7/2000 82-2086 Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NC 6 1 7 0 0 2 5 8 0.
Manifest Doc. No.: 06499
2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC-Sxte EMD m/c Case
PSC Box 2004 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T. T II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name

8. US EPA ID Number

A. Transporter's Phone: (910) 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number: S.R.0.6.0.0.0.3.5.

B. Facility's Phone: (910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminate Soil - NON Haz	001	DT	24	Tons
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CD # 382032 1 N.E TRK # 163 Tag # Y2-96055 N.E.

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: EUGENE JONES
Signature: [signature]
Month 10 Day 25 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Mack Culbreth
Signature: [signature]
Month 10 Day 25 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Rick Wms
Signature: [signature]
Month 10 Day 25 Year 06

Published by J. J. KELLER & ASSOCIATES, INC. Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
Form designed for use on elite (12-pitch) typewriter.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC.617002580.. | Manifest Doc. No. 06748 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding Gen
AC - Site Emd m/c Case
PSC. Box 2004 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name | 8. US EPA ID Number | A. Transporter's Phone (910) 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.. .

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS
b. TPH Contaminate Soil - Non Haz	001		22.24	TON
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CDL# 3753391 TRK# 160 Tag# 1/A-94097

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
EUGENE JONES		10	25	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X Johnny Tanner	X Johnny Tanner	10	25	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		.	.	.

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rick Wms	Rick Wms	10	25	06

Published by J. J. KELLER & ASSOCIATES, INC., Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC.6.1.7.0.0.2.5.8.0. | Manifest Doc. No. 06497 | 2. Page 1 of

3. Generator's Name and Mailing Address
Commanding General
AC-Site ENVD m/c Case
PSC Box 2004 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T. T II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name

8. US EPA ID Number

A. Transporter's Phone (910) 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5. . .

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. Tpth Contaminated Soil-Non Haz	001		27.00	TON
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CDL#7767058 TR#206 Tag# LW2852, NC

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name EUGENE JONES | Signature | Month 10 Day 25 Year 06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Emanuel Boone | Signature | Month 10 Day 25 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name D FAIRCLOTH | Signature | Month 10 Day 25 Year 06

GENERATOR — TRANSPORTER — FACILITY

Published by J.J. KELLER & ASSOCIATES, INC., Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
NC6170025800	06495	

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC-Site ENVD M/C Case
PSC Box 20004 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T. T II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name	8. US EPA ID Number	A. Transporter's Phone
		(910) 567-6138

9. Designated Facility Name and Site Address	10. US EPA ID Number	B. Facility's Phone
E S & J ENTERPRISES 1555 Holland Rd. Autryville, NC 28318	S.R.0.6.0.0.0.3.5.	(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminate Soil Non-Haz	001	DT	24	Ton
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CDL# 3753391 TRK# 160 Tag# YA94097

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Jon A. Myers, JR		10	25	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X Johnny Tanner	X	10	25	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rick Sims		10	25	06

Published by J.J. KELLER & ASSOCIATES, INC., Neenah, WI (800) 327-6868. Printed in the United States.

ORIGINAL – RETURN TO GENERATOR

Please print or type.
Form designed for use on elite (12-pitch) typewriter.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
NC6170025 80	06494	

GENERATOR

3. Generator's Name and Mailing Address	4. Site: Physical Location	5. Owner of Contamination: Name: Address: Phone #:
Commanding General AC- Site Envis m/c Case PSC Box 2004 6. Generator's Phone (910) 451-1482	Camp Lejeune T. T II	

7. Transporter 1 Company Name	8. US EPA ID Number	A. Transporter's Phone
		(910) 567-6138

9. Designated Facility Name and Site Address	10. US EPA ID Number	B. Facility's Phone
E S & J ENTERPRISES 1555 Holland Rd. Autryville, NC 28318	S.R.0.6.0.0.0.3.5.	(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminate Soil - Non Haz			26.80	TON
c.				
d.				

D. Additional Descriptions for Materials Listed Above

CD L382032 TRK 163 Tag YA-96055 N.C.

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Jon R. Myers, JR		10	25	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Mack Culbreth	Mack Culbreth	10	25	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Ricic Wms	Ricic Wms	10	25	06

Published by J. J. KELLER & ASSOCIATES, INC., Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
NC6.1.7.0.0.2580	0.6.4.93	

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC-Site ESTS m/c Case
PSC Box 20004 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T. T II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name

8. US EPA ID Number

A. Transporter's Phone (910) 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone (910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TP# Contaminate Soil Non Haz	001	DT	26.18	TONS
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CDL# 1167058 TRK# 206 Tag# LW2852NC

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Jon A. Meyer, II		10	25	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X Emanuel Boone	X	10	25	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Ricky Sims		10	25	06

Published by J.J. KELLER & ASSOCIATES, INC. Neenah, WI USA • (800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NC6170025800 | Manifest Doc. No. 06492 | 2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
AC-Site ENV. M/C Case
PSC Box 20004 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T. T II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name

8. US EPA ID Number

A. Transporter's Phone (910) 567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone (910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil Non Haz	001	DT	24.	TONS
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CD# L375339 TRK# 160 Tag# YA94097

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
George L. Taylor	George L. Taylor	10	24	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X Johnny Tanner	X Johnny Tanner	10	24	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Kick Winn	Kick Winn	10	24	06

Published by Ind KELLER & ASSOCIATES, INC. Neenah, WI USA 1-(800) 327-6868 Printed in the United States

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
[illegible]	[redacted]	

GENERATOR

3. Generator's Name and Mailing Address	4. Site: Physical Location	5. Owner of Contamination: Name: Address:
[illegible]	T T II	Phone #:
6. Generator's Phone ( )		

7. Transporter 1 Company Name	8. US EPA ID Number	A. Transporter's Phone
[illegible]		[illegible]

9. Designated Facility Name and Site Address	10. US EPA ID Number	B. Facility's Phone
E S & J ENTERPRISES 1555 Holland Rd. Autryville, NC 28318	S.R.0.6.0.0.0.3.5.	(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH contaminated soil non Haz	[illegible]	NT	24.00 Tons.	
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
CDL #3820321 TRK #16 T-YM	96055 N.C.

15. Special Handling Instructions and Additional Information

TRANSPORTER

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
George L. Taylor	George L. Taylor	10	24	06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Mark Culbreth	Mark Culbreth	10	24	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rick Wms	Rick Wms.	10	24	06

Published by KELLER & ASSOCIATES, INC., Neenah, WI USA • (800) 327-0868 • Printed in the United States

GENERATOR'S COPY

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NCL170025580	Manifest Doc. No. 0649D	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address
Commanding General
Ac-Site EMD m/c Case
PSC Box 20041 Camp Lejeune
6. Generator's Phone (910) 451-1482

4. Site: Physical Location
Camp Lejeune
T. T II

5. Owner of Contamination:
Name:
Address:
Phone #:

7. Transporter 1 Company Name

8. US EPA ID Number

A. Transporter's Phone 910-567-6138

9. Designated Facility Name and Site Address
E S & J ENTERPRISES
1555 Holland Rd.
Autryville, NC 28318

10. US EPA ID Number
S.R.0.6.0.0.0.3.5.

B. Facility's Phone
(910) 567-6138

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. petroleum contaminated soil				LBS.
b. TPH Contaminated Soil Non Haz	001	DT	24	Tons
c.				
d.				

D. Additional Descriptions for Materials Listed Above
CDL#7767058 TRK# 206 Tag# LW2852

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
George L. Taylor	George L. Taylor	10	24	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
X Emanuel Boone	X	10	24	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Shelby Royal	Shelby Royal	10	24	06

Published by J.J. KELLER & ASSOCIATES, INC. Neenah WI
USA 1(800) 327-6868 • Printed in the United States

ORIGINAL – RETURN TO GENERATOR

ADDITIONAL EXCAVATED SOIL

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 001 / 06569

GENERATOR

COMMANDING GENERAL
AC/S I+E (G-M-O)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Ty Tyler 12/21/06

Transporter: P&F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 98460
Tare Weight (lbs.): 32720
Net Weight (lbs.): 65740
Net Weight (tons): 32.87

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Bridges 12-11-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Bridges 12-11-06
Driver Signature Date

Inspected and Accepted By: Bryant Bridges

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 002/06570

GENERATOR

COMMANDING GENERAL
AC/S I&E (EMD)
P.O. BOX 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P&F Environmental
Truck #: PF 103
Truck Tag #/State: 2B 12253
Driver Name (Print): Greg

Gross Weight (lbs.): 99740
Tare Weight (lbs.): 31080
Net Weight (lbs.): 68660
Net Weight (tons): 34.33

I hereby certify that the material stated herein was received at the waste origination site listed.

Greg Pridgen 12-11-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Greg Pridgen 12-11-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 003 / 06571

GENERATOR

COMMANDING GENERAL
AC/S I+E (COMO)
P.O. BOX 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Lyle Taylor 12/21/06

Transporter: P+F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 98780
Tare Weight (lbs.): 33420
Net Weight (lbs.): 65360
Net Weight (tons): 32.68

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-11-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-11-06
Driver Signature Date

Inspected and Accepted By: Bryant L Driggers

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 004 / 06572

GENERATOR

COMMANDING GENERAL
AC/S I+E (COMM)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P&F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 99680
Tare Weight (lbs.): 32720
Net Weight (lbs.): 66960
Net Weight (tons): 33.48

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-11-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-11-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 005/06523

GENERATOR

Commanding General
AC/S I+E (Comd)
P.O. Box 20004
MCB, Camp Lejeune, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Tige Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 103
Truck Tag #/State: ZB 12253
Driver Name (Print): Greg

Gross Weight (lbs.): 98940
Tare Weight (lbs.): 31080
Net Weight (lbs.): 67860
Net Weight (tons): 33.93

I hereby certify that the material stated herein was received at the waste origination site listed.

Greg Pridgen 12-11-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Greg Pridgen 12-11-06
Driver Signature Date

Inspected and Accepted By: Bryant K Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 006 / 06574

GENERATOR

COMMANDING GENERAL
ACIS I&E (G&MD)
PO BOX 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910-451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P&F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 99620
Tare Weight (lbs.): 33420
Net Weight (lbs.): 66200
Net Weight (tons): 33.10

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-11-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-11-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 007/06575

GENERATOR

COMMANDING GENERAL
AC/S I+E (EMD)
P.O. Box 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Troy Peyton 12/21/06

Transporter: P+F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 98910
Tare Weight (lbs.): 32720
Net Weight (lbs.): 66190
Net Weight (tons): 33.09

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-11-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-11-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 008/06576

GENERATOR

COMMANDING GENERAL
ACIS I&E (ENVD)
P.O. BOX 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910 451 1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: JT-48

Ray Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 103
Truck Tag #/State: 2B 12253
Driver Name (Print): Greg

Gross Weight (lbs.): 98480
Tare Weight (lbs.): 31080
Net Weight (lbs.): 67400
Net Weight (tons): 33.70

I hereby certify that the material stated herein was received at the waste origination site listed.

Greg Pridgen 12-11-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Greg Pridgen 12-11-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 009 / 06577

GENERATOR

Commanding General
ACS I&E (EMD)
P.O. Box 20004

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Roger Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 99330
Tare Weight (lbs.): 33420
Net Weight (lbs.): 65910
Net Weight (tons): 32.95

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-11-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-11-06
Driver Signature Date

Inspected and Accepted By: Bryant Bridges

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 010/06578

GENERATOR

COMMANDING GENERAL
AC/S I&E (EMD)
P.O. Box 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Roger Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 72630
Tare Weight (lbs.): 23140
Net Weight (lbs.): 49490
Net Weight (tons): 24.74

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-12-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-12-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 011/06579

GENERATOR

COMMANDING GENERAL
AC/S IPE (EMD)
P.O BOX 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: **Non-Hazardous Petroleum Contaminated Soil**

WASTE ORIGINATION: IT-48

Troy Hayden 12/21/06

Transporter: P&F Environmental
Truck #: PF 102
Truck Tag #/State: 2B 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 97990
Tare Weight (lbs.): 32720
Net Weight (lbs.): 65270
Net Weight (tons): 32.63

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 012/06580

GENERATOR

Commanding General
AC/S I&E (EMD)
P.O. Box 20004
MCB, Camp Lejeune, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Greg Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 103
Truck Tag #/State: ZB 12253
Driver Name (Print): Jason

Gross Weight (lbs.): 98910
Tare Weight (lbs.): 31080
Net Weight (lbs.): 67830
Net Weight (tons): 33.91

I hereby certify that the material stated herein was received at the waste origination site listed.

Jason Pridgen 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Jason Pridgen 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____ LOAD # 013 / 06581

GENERATOR

Commanding General
AC/S ~~F.E.~~ F+E (EMD)
P.O. Box 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Ted Taylor 12/21/06

Transporter: P+F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 99330
Tare Weight (lbs.): 33420
Net Weight (lbs.): 65910
Net Weight (tons): 32.95

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Partridge

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 014/06585

GENERATOR

Commanding General
AC/S I&E (GMD)
P.O. Box 20004
MCB, Camp Lejeune, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Leon Taylor 12/21/06

Transporter: P+F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 99160
Tare Weight (lbs.): 33420
Net Weight (lbs.): 65740
Net Weight (tons): 32.87

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Bridger

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 015/06584

GENERATOR

COMMANDING GENERAL
AC/S I&E (CEMD)
P.O. BOX 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P&F Environmental
Truck #: R&B 103
Truck Tag #/State: 2B 12253
Driver Name (Print): Jason

Gross Weight (lbs.): 98240
Tare Weight (lbs.): 31080
Net Weight (lbs.): 67160
Net Weight (tons): 33.58

I hereby certify that the material stated herein was received at the waste origination site listed.

Jason Pridgen — 12-12-06
Driver Signature — Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Jason Pridgen — 12-12-06
Driver Signature — Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 016 / 06582

GENERATOR

COMMANDING GENERAL
AC/S I&E (EMD)
P.O. BOX 20004
MCB, CAMP LEJEUNE, NC 28542

PHONE: 910 451 - 1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Troy Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 99280
Tare Weight (lbs.): 32720
Net Weight (lbs.): 66560
Net Weight (tons): 33.28

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 017/06583

GENERATOR

COMMANDING GENERAL
AC/S I&E (EMD)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Greg Taylor 12/21/06

Transporter: P & F Environmental
Truck #: PF 101
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 73160
Tare Weight (lbs.): 23140
Net Weight (lbs.): 50020
Net Weight (tons): 25.01

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-12-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-12-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 018/06587

GENERATOR

Commanding General
AC/S I&E (CMD)
P.O. Box 20004
MCB, Camp Lejeune, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Leigh Taylor 12/21/06

Transporter: P & F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 98430
Tare Weight (lbs.): 32720
Net Weight (lbs.): 65710
Net Weight (tons): 32.85

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 019/06586

GENERATOR

COMMANDING GENERAL
AC/S I&E (EMD)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: IT-48

Troy Taylor 12/21/06

Transporter: P+F Environmental
Truck #: PF 101
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 72880
Tare Weight (lbs.): 23140
Net Weight (lbs.): 49740
Net Weight (tons): 24.87

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-12-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-12-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 020/06588

GENERATOR

COMMANDING GENERAL
ACIS I&E (CEMD)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Troy Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 98960
Tare Weight (lbs.): 33420
Net Weight (lbs.): 65540
Net Weight (tons): 32.77

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Driggers

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 021/06589

GENERATOR

COMMANDING GENERAL
MCIS ITE (EMD)
PO BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Greg Taylor 12/21/06

Transporter: P+F Environmental
Truck #: PF 103
Truck Tag #/State: 2B 12253
Driver Name (Print): Jason

Gross Weight (lbs.): 99290
Tare Weight (lbs.): 31080
Net Weight (lbs.): 68210
Net Weight (tons): 34.10

I hereby certify that the material stated herein was received at the waste origination site listed.

Jason Pridgen 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Jason Pridgen 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 022/06590

GENERATOR

Commanding General
ACIS IOE (CEMD)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: ~~Non-Hazardous~~ Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P&F Environmental
Truck #: PF 101
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 74610
Tare Weight (lbs.): 23140
Net Weight (lbs.): 51470
Net Weight (tons): 25.73

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-12-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-12-06 Date

Inspected and Accepted By: Bryant Bridges

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 023/06591

GENERATOR

COMMANDING GENERAL
AC/S I&E (Emp)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: JT-48

Jay Ptacek 12/21/06

Transporter: P & F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 99930
Tare Weight (lbs.): 32720
Net Weight (lbs.): 67210
Net Weight (tons): 33.60

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 024/06592

GENERATOR

COMMANDING GENERAL
ACIS I&E (EMD)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: ~~Non-Hazardous~~ Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/12/06

Transporter: P&F Environmental
Truck #: PF 103
Truck Tag #/State: ZB 12253
Driver Name (Print): Jason

Gross Weight (lbs.): 98360
Tare Weight (lbs.): 31080
Net Weight (lbs.): 67280
Net Weight (tons): 33.64

I hereby certify that the material stated herein was received at the waste origination site listed.

Jason Pidgen — Driver Signature — 12-12-06 — Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Jason Pidgen — Driver Signature — 12-12-06 — Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 025/06593

GENERATOR

COMMANDING GENERAL
ACIS I&E (COMO)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1492

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P&F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 99190
Tare Weight (lbs.): 33420
Net Weight (lbs.): 65770
Net Weight (tons): 32.88

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-12-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-12-06
Driver Signature Date

Inspected and Accepted By: Bryant Bridger

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 026/06594

GENERATOR

Commanding General
AC/S I&E (Comm)
P.O. Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Jesse Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 101
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 73480
Tare Weight (lbs.): 23140
Net Weight (lbs.): 50340
Net Weight (tons): 25.17

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-13-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-13-06 Date

Inspected and Accepted By: Bryant Bridges

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 027/06595

GENERATOR

COMMANDING GENERAL
AC/S T+G (COMO)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Troy Taylor 12/21/06

Transporter: P+F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 99170
Tare Weight (lbs.): 33420
Net Weight (lbs.): 65750
Net Weight (tons): 32.87

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-13-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-13-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 028/06596

GENERATOR

COMMANDING GENERAL
AC/S I&E (ENVD)
PO BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910-451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Greg Pridgen 12/21/06

Transporter: P&F Environmental
Truck #: PF 103
Truck Tag #/State: ZB 12253
Driver Name (Print): Greg

Gross Weight (lbs.): 98960
Tare Weight (lbs.): 31080
Net Weight (lbs.): 67880
Net Weight (tons): 33.94

I hereby certify that the material stated herein was received at the waste origination site listed.

Greg Pridgen 12-13-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Greg Pridgen 12-13-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 029/06597

GENERATOR

Commanding General
AC/S EnE (Cemo)
P.O. Box 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: **Non-Hazardous Petroleum Contaminated Soil**

WASTE ORIGINATION: TT-48

Greg Hayden 12/21/06

Transporter: P&F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 99840
Tare Weight (lbs.): 32720
Net Weight (lbs.): 67120
Net Weight (tons): 33.56

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-13-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-13-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 030/06598

GENERATOR

Commanding General
Attn: I&E (EMD)
P.O. Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910 451 1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Tuck Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 101
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 74160
Tare Weight (lbs.): 23140
Net Weight (lbs.): 51020
Net Weight (tons): 25.51

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-13-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-13-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 031/06599

GENERATOR

Commanding General
AC/S I+E (Cemd)
P.O. Box 20004
MCB Camp Lejeune, NC 28542
PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Gloyd L Taylor 12/24/06

Transporter: P&F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 97650
Tare Weight (lbs.): 33420
Net Weight (lbs.): 64230
Net Weight (tons): 32.11

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-13-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-13-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 032/06600

GENERATOR

COMMANDING GENERAL
AC/S I+E (EMD)
P.O. BOX 20001
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Greg Taylor 12/21/06

Transporter: P & F Environmental

Truck #: PF 103

Truck Tag #/State: ZB 12253

Driver Name (Print): Greg

Gross Weight (lbs.): 99570

Tare Weight (lbs.): 31080

Net Weight (lbs.): 68490

Net Weight (tons): 34.24

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-13-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-13-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 033/06601

GENERATOR

COMMANDING GENERAL
ACIS I&E (COMD)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542
PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Transporter: P&F Environmental
Truck #: PF 102
Truck Tag #/State: 2B 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 99490
Tare Weight (lbs.): 32720
Net Weight (lbs.): 66770
Net Weight (tons): 33.38

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-13-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-13-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 034/02602

GENERATOR

COMMANDING GENERAL
AC/S I+E (G&MS)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: ~~Non-Hazardous~~ Petroleum Contaminated Soil

WASTE ORIGINATION: IT-48

12/21/06

Transporter: P & F Environmental
Truck #: PF 101
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 74670
Tare Weight (lbs.): 23140
Net Weight (lbs.): 51530
Net Weight (tons): 25.76

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-13-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-13-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 035/06603

GENERATOR

COMMANDING GENERAL
AC/S I&E (CEMD)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542
PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891
PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P&F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 99270
Tare Weight (lbs.): 33420
Net Weight (lbs.): 65850
Net Weight (tons): 32.92

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-13-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-13-06
Driver Signature Date

Inspected and Accepted By: Bryant Bridges

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 036 / 06604

GENERATOR

Commanding General
AC/S IHE (EMD)
P.O. Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Greg Pyler 12/21/06

Transporter: P & F Environmental
Truck #: PF 103
Truck Tag #/State: ZB 12253
Driver Name (Print): Greg

Gross Weight (lbs.): 99630
Tare Weight (lbs.): 31080
Net Weight (lbs.): 68550
Net Weight (tons): 34.27

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-13-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-13-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 037 / 66605

GENERATOR

COMMANDING GENERAL
ACIS I&E (EMD)
P.O. BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Leon Tyler 12/21/06

Transporter: P & F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 98740
Tare Weight (lbs.): 32720
Net Weight (lbs.): 66020
Net Weight (tons): 33.01

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-13-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-13-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 038/06609

GENERATOR

Commanding General
AC/S I&E (Emo)
P.O. Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: JT-48

Walter Parker 12/21/06

Transporter: P & F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 97740
Tare Weight (lbs.): 33420
Net Weight (lbs.): 64320
Net Weight (tons): 32.16

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 039/06608

GENERATOR

COMMANDING GENERAL
AC/S I&E (GMD)
P.O BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Greg Taylor 12/21/06

Transporter: P & F Environmental
Truck #: PF 103
Truck Tag #/State: ZB 12253
Driver Name (Print): Jason

Gross Weight (lbs.): 98100
Tare Weight (lbs.): 31080
Net Weight (lbs.): 67020
Net Weight (tons): 33.51

I hereby certify that the material stated herein was received at the waste origination site listed.

Jason Pridgen 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Jason Pridgen 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryan K Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 040/06606

GENERATOR

COMMANDING GENERAL
AC/S I&E (EMD)
P.O BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Lee Pyles 12/21/06

Transporter: P&F Environmental
Truck #: PF 101
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 73180
Tare Weight (lbs.): 23140
Net Weight (lbs.): 50040
Net Weight (tons): 25.02

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-14-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-14-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 041/06607

GENERATOR

Commanding General
ACIS I&E (Emd)
P.O. Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910 451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P&F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 98470
Tare Weight (lbs.): 32720
Net Weight (lbs.): 65750
Net Weight (tons): 32.87

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 042/06612

GENERATOR

Commanding General
MCB
P.O. Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910 451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: LT-48

12/21/06

Transporter: P&F Environmental
Truck #: PF 103
Truck Tag #/State: ZB 12253
Driver Name (Print): Jason

Gross Weight (lbs.): 99340
Tare Weight (lbs.): 31080
Net Weight (lbs.): 68260
Net Weight (tons): 34.13

I hereby certify that the material stated herein was received at the waste origination site listed.

Jason Pridgen 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Jason Pridgen 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 043/06613

GENERATOR

Commanding General
ACIS I&E (Comm)
P.O. Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910 451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: ~~Non-Hazardous~~ Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P & F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 98600
Tare Weight (lbs.): 33420
Net Weight (lbs.): 65180
Net Weight (tons): 32.59

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryan W Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 044/06610

GENERATOR

Commanding General
ACIS IntE (Emp)
PO Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910 451-1847

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: R&F Environmental
Truck #: PF 101
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 74630
Tare Weight (lbs.): 23140
Net Weight (lbs.): 51490
Net Weight (tons): 25.74

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-14-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-14-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 045/06611

GENERATOR

COMMANDING GENERAL
AC/S I+E (EMD)
PO BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P & F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 99180
Tare Weight (lbs.): 32720
Net Weight (lbs.): 66460
Net Weight (tons): 33.23

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # ~~043~~ 046/06614

GENERATOR

Commanding General
AC/S I+E (EMD)
PO Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910-451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: FT-48

Roy Taylor 12/21/06

Transporter: P+F Environmental
Truck #: PF 103
Truck Tag #/State: 2B 12253
Driver Name (Print): Jason

Gross Weight (lbs.): 98630
Tare Weight (lbs.): 31080
Net Weight (lbs.): 67550
Net Weight (tons): 33.77

I hereby certify that the material stated herein was received at the waste origination site listed.

Jason Pridgen 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Jason Pridgen 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 047/06615

GENERATOR

Commanding General
AC/S I&E (EMD)
PO Box 20004
MCB Camp Lejeune, NC 28542

PHONE: 910-451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Troy Taylor 12/21/06

Transporter: P&F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 99570
Tare Weight (lbs.): 33420
Net Weight (lbs.): 66150
Net Weight (tons): 33.07

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____ LOAD # 048 / 06616

GENERATOR

Commanding General
AC/S I&E (EMD)
PO Box 20004
MCB Camp Lejeune NC 28542

PHONE: 910-451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

Transporter: P&F Environmental
Truck #: PF 101
Truck Tag #/State: ZB 12251
Driver Name (Print): Johnny

Gross Weight (lbs.): 73990
Tare Weight (lbs.): 23140
Net Weight (lbs.): 50850
Net Weight (tons): 25.42

I hereby certify that the material stated herein was received at the waste origination site listed.

Driver Signature 12-14-06 Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Driver Signature 12-14-06 Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 049 / 06617

GENERATOR

Commanding General
AC/S I+E (EMD)
PO Box 20004
MCB Camp Lejeune NC 28542

PHONE: 910-451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT-48

12/21/06

Transporter: P&F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 98780
Tare Weight (lbs.): 32720
Net Weight (lbs.): 66060
Net Weight (tons): 33.03

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # ~~044~~ 053/06618

GENERATOR

COMMANDING GENERAL
AC/S EH&S (CEMO)
PO BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: **Non-Hazardous Petroleum Contaminated Soil**

WASTE ORIGINATION: ET-48

12/21/06

Transporter: P+F Environmental
Truck #: PF 103
Truck Tag #/State: ZB 12253
Driver Name (Print): Jason

Gross Weight (lbs.): 100560
Tare Weight (lbs.): 31080
Net Weight (lbs.): 69480
Net Weight (tons): 34.74

I hereby certify that the material stated herein was received at the waste origination site listed.

Jason Pridgen — 12-14-06
Driver Signature — Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Jason Pridgen — 12-14-06
Driver Signature — Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 051/06619

GENERATOR

COMMANDING GENERAL
ACS F+E (COMD)
PO BOX 20004
MCB CAMP LEJEUNE, NC 28542

PHONE: 910 451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: JT-48

Lisa Taylor 12/21/06

Transporter: R & F Environmental
Truck #: PF 104
Truck Tag #/State: ZB 12254
Driver Name (Print): Walter

Gross Weight (lbs.): 100220
Tare Weight (lbs.): 33420
Net Weight (lbs.): 66800
Net Weight (tons): 33.40

I hereby certify that the material stated herein was received at the waste origination site listed.

Walter Parker 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryant Dowdy

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 052/06620

GENERATOR

Commanding General
AC/S I&E (EMD)
PO Box 20004
MCB Camp Lejeune NC 28542

PHONE: 910-451-1842

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: T-48

Tony Taylor 12/21/06

Transporter: P+F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 100800
Tare Weight (lbs.): 32720
Net Weight (lbs.): 68080
Net Weight (tons): 34.04

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-14-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-14-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL #_____ LOAD # 053 / 06621

GENERATOR

Commanding General
AC/S I+E (EMD)
PO Box 20004
MCB Camp Lejeune NC 28542

PHONE: 910-451-1482

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: TT148

12/21/06

Transporter: P+F Environmental
Truck #: PF 102
Truck Tag #/State: ZB 12252
Driver Name (Print): Bryant

Gross Weight (lbs.): 77470
Tare Weight (lbs.): 32720
Net Weight (lbs.): 44750
Net Weight (tons): 22.38

I hereby certify that the material stated herein was received at the waste origination site listed.

Bryant Pridgen 12-15-06
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 12-15-06
Driver Signature Date

Inspected and Accepted By: Bryant Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - *Invoice* YELLOW - *Generator* PINK - *Trucker* GOLD - *P & F Environmental*

APPENDIX C

PROJECT CHAIN-OF-CUSTODY RECORDS

F44221

CHAIN-OF-CUSTODY RECORD

COC Number:
109972-TT-100406

Shaw
Shaw Environmental & Infrastructure, Inc.

3.1 3

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
109972	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	DRO/GRO	3550/5030/8015											
1	TT-006	10/4/06	17:00		X	TT Tank 3 Center	2	X												
2	TT-007	10/4/06	17:05		X	TT Tank 3 North Wall	2	X												
3	TT-008	10/4/06	17:10		X	TT Tank 3 West Wall	2	X												
4	TT-009	10/4/06	17:15		X	TT Tank 3 South Wall	2	X												
5	TT-010	10/4/06	17:20		X	TT Tank 3 East Wall	2	X												
6	TT-011	10/4/06	17:25		X	TT Tank 3 East Wall Dup	2	X												
7	TT Trip Blank	10/4/06			X	Trip Blank	2	X	GRO only											
8																				
9																				
10																				

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 – 7		UPS 1Z71V 098 15 9398 7176	10/4/06	16:00	24 Hour TAT
2		UPS	Jorge Coral	10-5-06	09:50	
3						

2-0

F44221: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F44221 CLIENT: SHAW PROJECT: CAMP LEJEUNE - TT

DATE/TIME RECEIVED: 10-5-06 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: FEDEX (UPS) ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 1Z 71V 098 15 9398 7176

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 6

NUMBER OF 5035 FIELD KITS ? 4

NUMBER OR LAB FILTERED METALS ? 4

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE JC 10-5-06 TECHNICIAN SIGNATURE/DATE ASBD 10/03/06

3.1 3

F44221: Chain of Custody
Page 2 of 2

COC Number:
109972-TT-101606

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD F44516

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC

Project Number	Contact	P.O. Number	Reviewed by
109972	Mark Martin		

Client Rep	Project Manager
US NAVY - LANTDIV	Ron Kenyon

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	8260	8270	MADEP EPH	MADEP VPH	Analysis Desired
1	TT-0016	10/16/06	10:00		X	TT Tank 3 North Wall	8	X	X	X	X	
2	TT-0017	10/16/06	10:10		X	TT Tank 3 West Wall	8	X	X	X	X	
3	TT-0018	10/16/06	10:20		X	TT Tank 3 South Wall	8	X	X	X	X	
4	TT-0019	10/16/06	10:30		X	TT Tank 3 East Wall	8	X	X	X	X	
5	TT-0020	10/16/06	10:40		X	TT Tank 3 East Wall Dup	8	X	X	X	X	
6	TT Trip Blank	10/16/06			X	Trip Blank	2	X				
7												
8												
9												
10												

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 6	[signature]	Fed EX 8574 8740 2534	10/16/06	16:00
2		FX	Jorge Coral	10-17-06	09:00
3					

Remarks

5 Day TAT

4.4

F44516: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F44516 CLIENT: SHAW PROJECT: CAMP LEJEUNE-TT

DATE/TIME RECEIVED: 10-17-06 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 4.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8574 8740 2534.

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 30

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OR LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: JC 10-17-06 TECHNICIAN SIGNATURE/DATE ASBD 10/03/06

F44516: Chain of Custody
Page 2 of 2

F44810

COC Number:
109972-TT-102706

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

3.1
C3

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390 | Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
109972	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: 8260	8270	MADEP EPH	MADEP VPH	DRO/GRO
1	TT-021	10/27/06	15:45		X	TT Tank 3 East Wall	8	X	X	X	X	X
2	TT Trip Blank	10/27/06	—		X	Trip Blank	2	X				
3												
4												
5												
6												
7												
8												
9												
10												

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 2		Fed EX 8571 0349 9955	10/27/06	16:00	EPH/VPH 8260, 8270-7 Day TAT
2				10/28/06	9:00	DRO/GRO 48 Hr TAT
3						

2.4

F44810: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F44810 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 10/28/06 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8581 0349 9955

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 4

NUMBER OF 5035 FIELD KITS ? 2

NUMBER OR LAB FILTERED METALS ? 2

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 10/28/06 TECHNICIAN SIGNATURE/DATE: ASBD 10/03/06

3.1 C

F44810: Chain of Custody
Page 2 of 2

COC Number:
109972-TT-100506

F44260

Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
109972	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	DRO/GRO 3550/5030/8015	TCLP Metals
1	TT-012	10/5/06	17:00		X	Stockpile	2	X	X
2									
3									
4									
5									
6									
7									
8									
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1		FedEx 8574 8740 2626	10/5/06	16:00	7 DAY TAT
2				10/6/06	9:00	
3						

1.6

F44260: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories
F44260

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F44260 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 10/6/06 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 855748740 2626

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? X

NUMBER OF 5035 FIELD KITS ? 2

NUMBER OR LAB FILTERED METALS ? X

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] 10/6/06 TECHNICIAN SIGNATURE/DATE ASBD 10/03/06

3.1 C

F44260: Chain of Custody
Page 2 of 2

COC Number:
109972-TT-110106

Shaw Environmental & Infrastructure, Inc.

P44960

CHAIN-OF-CUSTODY RECORD

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
109972	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: 602 with Xyenes	625	MADEP EPH	MADEP VPH	DRO/GRO
1	TT-TW-001	11/2/06	15:00		X	Tank 1 Temp Well	10	X	X	X	X	X
2	TT-TW-002	11/2/06	16:30		X	Tank 2 Temp Well	10	X	X	X	X	X
3	TT Trip Blank	11/2/06			X	Trip Blank	2	X				
4												
5												
6												
7												
8												
9												
10												

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 3		UPS 1Z71V 098 13 9462 5264	11/2/06	~~16:00~~ 1830
2		UPS		11/3/06	1030
3					

Remarks

7 Day TAT

625 Plus 10 Largest Non-Target Peaks Identified

2.0

CHAIN OF CUSTODY

ACCUTEST Laboratories

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

G383-492

ACCUTEST JOB #:

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Accutest Southeast

ADDRESS:

CITY, STATE, ZIP:

SEND REPORT TO:
PHONE #:

FACILITY INFORMATION

PROJECT NAME: F44960

LOCATION:

PROJECT NO.:

FAX #:

ANALYTICAL INFORMATION

EPH

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	EPH
	F44960-1	11/2/06	15:00		W	1				X		X
	-2	↓	16:30		W	1				X		X

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 Day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

Paradigm Analytical

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1.	DATE TIME: 11/3/06 1630	RECEIVED BY: 1.	RELINQUISHED BY: 2.	DATE TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3.	DATE TIME: 11/9/06 1000	RECEIVED BY: 3. Tony DiLaura	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL # NA	PRESERVE WHERE APPLICABLE ☐	ON ICE ☒ TEMPERATURE 3.6 C

SGS ENVIRONMENTAL SERVICES, INC.

NJ. CERTIFICATION #48

APPENDIX D

LABORATORY ANALYTICAL REPORTS

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/09/06

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-TT-49

109972

Accutest Job Number: F44221

Sampling Date: 10/04/06

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **28**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Table of Contents

Sections: 1 2 3 4 5

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **4**
2.1: F44221-1: TT-006 5
2.2: F44221-2: TT-007 7
2.3: F44221-3: TT-008 9
2.4: F44221-4: TT-009 11
2.5: F44221-5: TT-010 13
2.6: F44221-6: TT-011 15
Section 3: Misc. Forms **17**
3.1: Chain of Custody 18
Section 4: GC Volatiles - QC Data Summaries **20**
4.1: Method Blank Summary 21
4.2: Blank Spike Summary 22
4.3: Matrix Spike/Matrix Spike Duplicate Summary 23
Section 5: GC Semi-volatiles - QC Data Summaries **24**
5.1: Method Blank Summary 25
5.2: Blank Spike Summary 27
5.3: Matrix Spike/Matrix Spike Duplicate Summary 28

Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F44221

Camp Lejeune-TT-49
Project No: 109972

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F44221-1	10/04/06	17:00	MM	10/05/06	SO	Soil	TT-006
F44221-2	10/04/06	17:05	MM	10/05/06	SO	Soil	TT-007
F44221-3	10/04/06	17:10	MM	10/05/06	SO	Soil	TT-008
F44221-4	10/04/06	17:15	MM	10/05/06	SO	Soil	TT-009
F44221-5	10/04/06	17:20	MM	10/05/06	SO	Soil	TT-010
F44221-6	10/04/06	17:25	MM	10/05/06	SO	Soil	TT-011

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-006		
Lab Sample ID:	F44221-1	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 SW846 5035	Percent Solids:	85.7
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD071839.D	1	10/06/06	MM	10/05/06 13:19	n/a	GCD2972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.27 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	801	200	98	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	135%		62-135%
98-08-8	aaa-Trifluorotoluene	88%		65-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-006		
Lab Sample ID:	F44221-1	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 M SW846 3550B	Percent Solids:	85.7
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ34624.D	200	10/09/06	AC	10/06/06	OP18082	GIJ1490
Run #2							

	Initial Weight	Final Volume
Run #1	31.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	9120	1800	1100	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-115%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-007		
Lab Sample ID:	F44221-2	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 SW846 5035	Percent Solids:	82.9
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD071837.D	1	10/06/06	MM	10/05/06 13:19	n/a	GCD2972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.67 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	47.7	13	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%		62-135%
98-08-8	aaa-Trifluorotoluene	94%		65-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-007		
Lab Sample ID:	F44221-2	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 M SW846 3550B	Percent Solids:	82.9
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ34625.D	25	10/09/06	AC	10/06/06	OP18082	GIJ1490
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1310	240	150	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-115%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-008		
Lab Sample ID:	F44221-3	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 SW846 5035	Percent Solids:	85.7
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD071838.D	1	10/06/06	MM	10/05/06 13:19	n/a	GCD2972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.17 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	78.3	22	11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		62-135%
98-08-8	aaa-Trifluorotoluene	85%		65-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-008		
Lab Sample ID:	F44221-3	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 M SW846 3550B	Percent Solids:	85.7
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ34626.D	20	10/09/06	AC	10/06/06	OP18082	GIJ1490
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	829	190	110	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-115%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-009		
Lab Sample ID:	F44221-4	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 SW846 5035	Percent Solids:	84.3
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD071830.D	1	10/06/06	MM	10/05/06 13:19	n/a	GCD2972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.36 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	15.6	6.5	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	115%		62-135%
98-08-8	aaa-Trifluorotoluene	89%		65-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-009		
Lab Sample ID:	F44221-4	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 M SW846 3550B	Percent Solids:	84.3
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ34627.D	20	10/09/06	AC	10/06/06	OP18082	GIJ1490
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	940	190	110	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-115%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-010		
Lab Sample ID:	F44221-5	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 SW846 5035	Percent Solids:	89.4
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD071831.D	1	10/06/06	MM	10/05/06 13:19	n/a	GCD2972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.03 g	5.0 ml	2.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	477	310	150	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		62-135%
98-08-8	aaa-Trifluorotoluene	86%		65-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-010		
Lab Sample ID:	F44221-5	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 M SW846 3550B	Percent Solids:	89.4
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ34628.D	50	10/09/06	AC	10/06/06	OP18082	GIJ1490
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	2170	470	280	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-115%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-011		
Lab Sample ID:	F44221-6	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 SW846 5035	Percent Solids:	89.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD071834.D	1	10/06/06	MM	10/05/06 13:19	n/a	GCD2972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.38 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	16.0	12	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		62-135%
98-08-8	aaa-Trifluorotoluene	86%		65-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-011		
Lab Sample ID:	F44221-6	Date Sampled:	10/04/06
Matrix:	SO - Soil	Date Received:	10/05/06
Method:	SW846 8015 M SW846 3550B	Percent Solids:	89.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ34629.D	200	10/09/06	AC	10/06/06	OP18082	GIJ1490
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	7140	1800	1100	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-115%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F44221

CHAIN-OF-CUSTODY RECORD

COC Number:
109972-TT-100406

Shaw
Shaw Environmental & Infrastructure, Inc.

3.1 3

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
109972	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	DRO/GRO 3550/5030/8015	
1	TT-006	10/4/06	17:00		X	TT Tank 3 Center	2	X	
2	TT-007	10/4/06	17:05		X	TT Tank 3 North Wall	2	X	
3	TT-008	10/4/06	17:10		X	TT Tank 3 West Wall	2	X	
4	TT-009	10/4/06	17:15		X	TT Tank 3 South Wall	2	X	
5	TT-010	10/4/06	17:20		X	TT Tank 3 East Wall	2	X	
6	TT-011	10/4/06	17:25		X	TT Tank 3 East Wall Dup	2	X	
7	TT Trip Blank	10/4/06			X	Trip Blank	2	X	GRO only
8									
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 7	[signature]	UPS 1Z71V 098 15 9398 7176	10/4/06	16:00	24 Hour TAT
2		UPS	[signature] George Coral	10-5-06	09:30	
3						

2-0

F44221: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories
F44221

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F44221 CLIENT: SHAW PROJECT: CAMP LEJEUNE - TT

DATE/TIME RECEIVED: 10-5-06 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: FEDEX (UPS) ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 1Z 71V 098 15 9398 7176

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 6

NUMBER OF 5035 FIELD KITS ? 4

NUMBER OR LAB FILTERED METALS ? 4

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE JC 10-5-06 TECHNICIAN SIGNATURE/DATE ASBD 10/03/06

3.1 C

F44221: Chain of Custody
Page 2 of 2

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44221
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2972-MB	CD071826.D	1	10/06/06	MM	n/a	n/a	GCD2972

The QC reported here applies to the following samples: Method: SW846 8015

F44221-1, F44221-2, F44221-3, F44221-4, F44221-5, F44221-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	62-135%
98-08-8	aaa-Trifluorotoluene	86%	65-118%

Blank Spike Summary

Job Number: F44221
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2972-BS	CD071825.D	1	10/06/06	MM	n/a	n/a	GCD2972

The QC reported here applies to the following samples: Method: SW846 8015

F44221-1, F44221-2, F44221-3, F44221-4, F44221-5, F44221-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	21.6	108	66-122

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	62-135%
98-08-8	aaa-Trifluorotoluene	104%	65-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44221
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44221-4MS	CD071842.D	1	10/06/06	MM	n/a	n/a	GCD2972
F44221-4MSD	CD071843.D	1	10/06/06	MM	n/a	n/a	GCD2972
F44221-4	CD071830.D	1	10/06/06	MM	n/a	n/a	GCD2972

The QC reported here applies to the following samples: Method: SW846 8015

F44221-1, F44221-2, F44221-3, F44221-4, F44221-5, F44221-6

CAS No.	Compound	F44221-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	15.6		25.9	24.2	33*	26.6	43	9	37-142/17

CAS No.	Surrogate Recoveries	MS	MSD	F44221-4	Limits
460-00-4	4-Bromofluorobenzene	105%	108%	115%	62-135%
98-08-8	aaa-Trifluorotoluene	103%	101%	89%	65-118%

GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44221
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18082-MB	IJ34601.D	1	10/06/06	AC	10/06/06	OP18082	GIJ1489

The QC reported here applies to the following samples: Method: SW846 8015 M

F44221-1, F44221-2, F44221-3, F44221-4, F44221-5, F44221-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	94%	57-115%

Method Blank Summary

Job Number: F44221
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18082-MB	IJ34623.D	1	10/09/06	AC	10/06/06	OP18082	GIJ1490

5.1 5

The QC reported here applies to the following samples: Method: SW846 8015 M

F44221-1, F44221-2, F44221-3, F44221-4, F44221-5, F44221-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	93%	57-115%

Blank Spike Summary

Job Number: F44221
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18082-BS	IJ34600.D	1	10/06/06	AC	10/06/06	OP18082	GIJ1489

5.2 5

The QC reported here applies to the following samples: Method: SW846 8015 M

F44221-1, F44221-2, F44221-3, F44221-4, F44221-5, F44221-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	33.3	27.5	83	62-114

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	88%	57-115%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44221
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18082-MS	IJ34631.D	5	10/09/06	AC	10/09/06	OP18082	GIJ1490
OP18082-MSD	IJ34632.D	5	10/09/06	AC	10/06/06	OP18082	GIJ1490
F44223-12	IJ34630.D	5	10/09/06	AC	10/06/06	OP18082	GIJ1490

The QC reported here applies to the following samples: Method: SW846 8015 M

F44221-1, F44221-2, F44221-3, F44221-4, F44221-5, F44221-6

CAS No.	Compound	F44223-12 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	82.8		33.9	94.7	35	105	65	10	31-136/36

CAS No.	Surrogate Recoveries	MS	MSD	F44223-12	Limits
84-15-1	o-Terphenyl	80%	86%	70%	57-115%



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-TT-49

109972

Accutest Job Number: F44516

Sampling Date: 10/16/06

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **87**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Table of Contents

Sections: 1 2 3 4 5 6 7

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **4**
2.1: F44516-1: TT-0016 5
2.2: F44516-2: TT-0017 12
2.3: F44516-3: TT-0018 19
2.4: F44516-4: TT-0019 26
2.5: F44516-5: TT-0020 33
2.6: F44516-6: TT TRIP BLANK 40
Section 3: Misc. Forms **42**
3.1: Chain of Custody 43
Section 4: GC/MS Volatiles - QC Data Summaries **45**
4.1: Method Blank Summary 46
4.2: Blank Spike Summary 52
4.3: Matrix Spike/Matrix Spike Duplicate Summary 58
Section 5: GC/MS Semi-volatiles - QC Data Summaries **64**
5.1: Method Blank Summary 65
5.2: Blank Spike Summary 71
5.3: Matrix Spike/Matrix Spike Duplicate Summary 74
Section 6: GC Volatiles - QC Data Summaries **77**
6.1: Method Blank Summary 78
6.2: Blank Spike Summary 79
6.3: Matrix Spike/Matrix Spike Duplicate Summary 80
6.4: Duplicate Summary 81
Section 7: GC Semi-volatiles - QC Data Summaries **82**
7.1: Method Blank Summary 83
7.2: Blank Spike Summary 85
7.3: Matrix Spike/Matrix Spike Duplicate Summary 86
7.4: Duplicate Summary 87

Sample Summary

Shaw E & I, Inc.

Job No: F44516

Camp Lejeune-TT-49
Project No: 109972

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F44516-1	10/16/06	10:00	MM	10/17/06	SO	Soil	TT-0016
F44516-2	10/16/06	10:10	MM	10/17/06	SO	Soil	TT-0017
F44516-3	10/16/06	10:20	MM	10/17/06	SO	Soil	TT-0018
F44516-4	10/16/06	10:30	MM	10/17/06	SO	Soil	TT-0019
F44516-5	10/16/06	10:40	MM	10/17/06	SO	Soil	TT-0020
F44516-6	10/16/06	00:00	MM	10/17/06	AQ	Trip Blank Soil	TT TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0016		
Lab Sample ID:	F44516-1	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	81.9
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K028921.D	1	10/18/06	WJ	10/17/06 16:01	n/a	VK1287
Run #2							

	Initial Weight
Run #1	5.93 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
71-43-2	Benzene	ND	5.1	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	2.1	ug/kg	
75-25-2	Bromoform	ND	5.1	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	2.1	ug/kg	
75-00-3	Chloroethane	ND	5.1	3.1	ug/kg	
67-66-3	Chloroform	ND	5.1	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	2.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	2.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.1	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	2.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	2.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	2.1	ug/kg	
591-78-6	2-Hexanone	ND	26	10	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	10	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.1	ug/kg	
75-09-2	Methylene chloride	13.8	10	5.1	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	26	10	ug/kg	
100-42-5	Styrene	ND	5.1	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	2.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	2.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	2.1	ug/kg	
108-88-3	Toluene	ND	5.1	2.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0016		
Lab Sample ID:	F44516-1	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	81.9
Project:	Camp Lejeune-TT-49		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.1	2.1	ug/kg	
1330-20-7	Xylene (total)	ND	15	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		78-123%
2037-26-5	Toluene-D8	101%		71-137%
460-00-4	4-Bromofluorobenzene	88%		61-157%
17060-07-0	1,2-Dichloroethane-D4	95%		74-125%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0016		
Lab Sample ID:	F44516-1	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.9
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R05396.D	1	10/20/06	NJ	10/18/06	OP18200	SR257
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	400	ug/kg	
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	40	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	400	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	400	81	ug/kg	
95-48-7	2-Methylphenol	ND	200	40	ug/kg	
	3&4-Methylphenol	ND	200	40	ug/kg	
88-75-5	2-Nitrophenol	ND	200	40	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	400	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	400	ug/kg	
108-95-2	Phenol	ND	200	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	40	ug/kg	
83-32-9	Acenaphthene	ND	200	40	ug/kg	
208-96-8	Acenaphthylene	ND	200	40	ug/kg	
120-12-7	Anthracene	ND	200	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	40	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	40	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	40	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	81	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	40	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	40	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	400	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	40	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	40	ug/kg	
106-47-8	4-Chloroaniline	ND	400	160	ug/kg	
86-74-8	Carbazole	ND	200	40	ug/kg	
218-01-9	Chrysene	ND	200	40	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	40	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	81	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0016		
Lab Sample ID:	F44516-1	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.9
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	40	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	40	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	40	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	40	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	81	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	81	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	400	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	81	ug/kg	
132-64-9	Dibenzofuran	ND	200	40	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	400	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	400	200	ug/kg	
84-66-2	Diethyl phthalate	ND	400	100	ug/kg	
131-11-3	Dimethyl phthalate	ND	400	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	400	200	ug/kg	
206-44-0	Fluoranthene	ND	200	40	ug/kg	
86-73-7	Fluorene	ND	200	40	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	40	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	81	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	81	ug/kg	
67-72-1	Hexachloroethane	ND	200	81	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	81	ug/kg	
78-59-1	Isophorone	ND	200	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	40	ug/kg	
88-74-4	2-Nitroaniline	ND	400	100	ug/kg	
99-09-2	3-Nitroaniline	ND	400	100	ug/kg	
100-01-6	4-Nitroaniline	ND	400	140	ug/kg	
91-20-3	Naphthalene	ND	200	40	ug/kg	
98-95-3	Nitrobenzene	ND	200	40	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	81	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	40	ug/kg	
85-01-8	Phenanthrene	ND	200	40	ug/kg	
129-00-0	Pyrene	ND	200	81	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		45-114%
4165-62-2	Phenol-d5	65%		44-124%
118-79-6	2,4,6-Tribromophenol	60%		50-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0016		
Lab Sample ID:	F44516-1	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.9
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		41-123%
321-60-8	2-Fluorobiphenyl	56%		46-122%
1718-51-0	Terphenyl-d14	60%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0016		
Lab Sample ID:	F44516-1	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP VPH	Percent Solids:	81.9
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV024423.D	1	10/18/06	MM	n/a	n/a	GUV1405
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.74 g	5.1 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	4100	2200	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	3000	1600	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	1100	540	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	73%		70-130%
460-00-4	BFB	72%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0016		
Lab Sample ID:	F44516-1	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP-EPH-98-1 SW846 3550B	Percent Solids:	81.9
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF22012.D	1	10/23/06	AA	10/18/06	OP18207	GZF1025
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	8000	8000	ug/kg	
	C9-C18 Aliphatics	ND	8000	8000	ug/kg	
	C19-C36 Aliphatics	ND	8000	8000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	52%		40-140%
580-13-2	2-Bromonaphthalene	73%		40-140%
84-15-1	o-Terphenyl	78%		40-140%
321-60-8	2-Fluorobiphenyl	82%		40-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0017		
Lab Sample ID:	F44516-2	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	85.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K028922.D	1	10/18/06	WJ	10/17/06 16:01	n/a	VK1287
Run #2							

	Initial Weight
Run #1	6.20 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	47	24	ug/kg	
71-43-2	Benzene	ND	4.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	1.9	ug/kg	
75-25-2	Bromoform	ND	4.7	1.9	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	1.9	ug/kg	
75-00-3	Chloroethane	ND	4.7	2.8	ug/kg	
67-66-3	Chloroform	ND	4.7	1.9	ug/kg	
75-15-0	Carbon disulfide	ND	4.7	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.7	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.7	1.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.7	1.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.7	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	4.7	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.7	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	1.9	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.7	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	1.9	ug/kg	
100-41-4	Ethylbenzene	ND	4.7	1.9	ug/kg	
591-78-6	2-Hexanone	ND	24	9.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	9.4	ug/kg	
74-83-9	Methyl bromide	ND	4.7	1.9	ug/kg	
74-87-3	Methyl chloride	ND	4.7	1.9	ug/kg	
75-09-2	Methylene chloride	13.2	9.4	4.7	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	24	9.4	ug/kg	
100-42-5	Styrene	ND	4.7	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	1.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	1.9	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.7	1.9	ug/kg	
108-88-3	Toluene	ND	4.7	1.9	ug/kg	
79-01-6	Trichloroethylene	ND	4.7	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0017		
Lab Sample ID:	F44516-2	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	85.6
Project:	Camp Lejeune-TT-49		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	4.7	1.9	ug/kg	
1330-20-7	Xylene (total)	ND	14	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		78-123%
2037-26-5	Toluene-D8	98%		71-137%
460-00-4	4-Bromofluorobenzene	84%		61-157%
17060-07-0	1,2-Dichloroethane-D4	99%		74-125%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0017		
Lab Sample ID:	F44516-2	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R05397.D	1	10/20/06	NJ	10/18/06	OP18200	SR257
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	950	380	ug/kg	
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	38	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	38	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	950	380	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	380	76	ug/kg	
95-48-7	2-Methylphenol	ND	190	38	ug/kg	
	3&4-Methylphenol	ND	190	38	ug/kg	
88-75-5	2-Nitrophenol	ND	190	38	ug/kg	
100-02-7	4-Nitrophenol	ND	950	380	ug/kg	
87-86-5	Pentachlorophenol	ND	950	380	ug/kg	
108-95-2	Phenol	ND	190	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	38	ug/kg	
83-32-9	Acenaphthene	ND	190	38	ug/kg	
208-96-8	Acenaphthylene	ND	190	38	ug/kg	
120-12-7	Anthracene	ND	190	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	38	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	38	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	38	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	76	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	38	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	38	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	380	95	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	38	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	38	ug/kg	
106-47-8	4-Chloroaniline	ND	380	150	ug/kg	
86-74-8	Carbazole	ND	190	38	ug/kg	
218-01-9	Chrysene	ND	190	38	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	38	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	76	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0017		
Lab Sample ID:	F44516-2	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.6
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	38	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	38	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	38	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	38	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	76	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	76	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	380	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	76	ug/kg	
132-64-9	Dibenzofuran	ND	190	38	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	380	95	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	380	190	ug/kg	
84-66-2	Diethyl phthalate	ND	380	95	ug/kg	
131-11-3	Dimethyl phthalate	ND	380	95	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	380	190	ug/kg	
206-44-0	Fluoranthene	ND	190	38	ug/kg	
86-73-7	Fluorene	ND	190	38	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	38	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	76	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	76	ug/kg	
67-72-1	Hexachloroethane	ND	190	76	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	76	ug/kg	
78-59-1	Isophorone	ND	190	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	38	ug/kg	
88-74-4	2-Nitroaniline	ND	380	95	ug/kg	
99-09-2	3-Nitroaniline	ND	380	95	ug/kg	
100-01-6	4-Nitroaniline	ND	380	130	ug/kg	
91-20-3	Naphthalene	ND	190	38	ug/kg	
98-95-3	Nitrobenzene	ND	190	38	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	76	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	38	ug/kg	
85-01-8	Phenanthrene	ND	190	38	ug/kg	
129-00-0	Pyrene	ND	190	76	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		45-114%
4165-62-2	Phenol-d5	71%		44-124%
118-79-6	2,4,6-Tribromophenol	67%		50-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0017		
Lab Sample ID:	F44516-2	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.6
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		41-123%
321-60-8	2-Fluorobiphenyl	61%		46-122%
1718-51-0	Terphenyl-d14	67%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0017		
Lab Sample ID:	F44516-2	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP VPH	Percent Solids:	85.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV024424.D	1	10/18/06	MM	n/a	n/a	GUV1405
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.1 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	4500	2400	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	3300	1800	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	1200	600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	77%		70-130%
460-00-4	BFB	76%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0017		
Lab Sample ID:	F44516-2	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP-EPH-98-1 SW846 3550B	Percent Solids:	85.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF22013.D	1	10/23/06	AA	10/18/06	OP18207	GZF1025
Run #2 [a]	ZF22030.D	1	10/25/06	ME	10/18/06	OP18207	GZF1026

	Initial Weight	Final Volume
Run #1	31.0 g	2.0 ml
Run #2	31.0 g	2.0 ml

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	7500	7500	ug/kg	
	C9-C18 Aliphatics	ND	7500	7500	ug/kg	
	C19-C36 Aliphatics	ND	7500	7500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	36% [b]	30%	40-140%
580-13-2	2-Bromonaphthalene	82%	124%	40-140%
84-15-1	o-Terphenyl	66%	86%	40-140%
321-60-8	2-Fluorobiphenyl	87%	120%	40-140%

(a) Confirmation run.
(b) Confirmed by refractionation and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0018		
Lab Sample ID:	F44516-3	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	84.7
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K028964.D	1	10/21/06	WJ	10/17/06 16:01	n/a	VK1290
Run #2							

	Initial Weight
Run #1	6.08 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	65.1	49	24	ug/kg	
71-43-2	Benzene	ND	4.9	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.9	ug/kg	
75-25-2	Bromoform	ND	4.9	1.9	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	1.9	ug/kg	
75-00-3	Chloroethane	ND	4.9	2.9	ug/kg	
67-66-3	Chloroform	ND	4.9	1.9	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	4.9	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.9	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	1.9	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	1.9	ug/kg	
591-78-6	2-Hexanone	ND	24	9.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	9.7	ug/kg	
74-83-9	Methyl bromide	ND	4.9	1.9	ug/kg	
74-87-3	Methyl chloride	ND	4.9	1.9	ug/kg	
75-09-2	Methylene chloride	13.9	9.7	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	9.7	ug/kg	
100-42-5	Styrene	ND	4.9	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	1.9	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.9	ug/kg	
108-88-3	Toluene	ND	4.9	1.9	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0018		
Lab Sample ID:	F44516-3	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	84.7
Project:	Camp Lejeune-TT-49		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	4.9	1.9	ug/kg	
1330-20-7	Xylene (total)	ND	15	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		78-123%
2037-26-5	Toluene-D8	106%		71-137%
460-00-4	4-Bromofluorobenzene	125%		61-157%
17060-07-0	1,2-Dichloroethane-D4	93%		74-125%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0018		
Lab Sample ID:	F44516-3	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.7
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R05398.D	1	10/20/06	NJ	10/18/06	OP18200	SR257
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	970	390	ug/kg	
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	970	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	77	ug/kg	
95-48-7	2-Methylphenol	ND	190	39	ug/kg	
	3&4-Methylphenol	ND	190	39	ug/kg	
88-75-5	2-Nitrophenol	ND	190	39	ug/kg	
100-02-7	4-Nitrophenol	ND	970	390	ug/kg	
87-86-5	Pentachlorophenol	ND	970	390	ug/kg	
108-95-2	Phenol	ND	190	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	39	ug/kg	
83-32-9	Acenaphthene	ND	190	39	ug/kg	
208-96-8	Acenaphthylene	ND	190	39	ug/kg	
120-12-7	Anthracene	ND	190	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	77	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	97	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	150	ug/kg	
86-74-8	Carbazole	ND	190	39	ug/kg	
218-01-9	Chrysene	ND	190	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	77	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0018		
Lab Sample ID:	F44516-3	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.7
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	77	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	77	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	77	ug/kg	
132-64-9	Dibenzofuran	ND	190	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	97	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	190	ug/kg	
84-66-2	Diethyl phthalate	ND	390	97	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	97	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	190	ug/kg	
206-44-0	Fluoranthene	ND	190	39	ug/kg	
86-73-7	Fluorene	ND	190	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	77	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	77	ug/kg	
67-72-1	Hexachloroethane	ND	190	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	77	ug/kg	
78-59-1	Isophorone	ND	190	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	97	ug/kg	
99-09-2	3-Nitroaniline	ND	390	97	ug/kg	
100-01-6	4-Nitroaniline	ND	390	140	ug/kg	
91-20-3	Naphthalene	ND	190	39	ug/kg	
98-95-3	Nitrobenzene	ND	190	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	77	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	39	ug/kg	
85-01-8	Phenanthrene	ND	190	39	ug/kg	
129-00-0	Pyrene	ND	190	77	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		45-114%
4165-62-2	Phenol-d5	71%		44-124%
118-79-6	2,4,6-Tribromophenol	66%		50-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0018		
Lab Sample ID:	F44516-3	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.7
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%		41-123%
321-60-8	2-Fluorobiphenyl	61%		46-122%
1718-51-0	Terphenyl-d14	65%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0018		
Lab Sample ID:	F44516-3	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP VPH	Percent Solids:	84.7
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV024425.D	1	10/18/06	MM	n/a	n/a	GUV1405
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.13 g	5.1 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	3700	2000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2700	1500	ug/kg	
	C9- C10 Aromatics (Unadj.)	1220	980	490	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	76%		70-130%
460-00-4	BFB	76%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0018		
Lab Sample ID:	F44516-3	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP-EPH-98-1 SW846 3550B	Percent Solids:	84.7
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF22024.D	2	10/25/06	ME	10/18/06	OP18207	GZF1026
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	43300	15000	15000	ug/kg	
	C9-C18 Aliphatics	106000	15000	15000	ug/kg	
	C19-C36 Aliphatics	20900	15000	15000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	49%		40-140%
580-13-2	2-Bromonaphthalene	89%		40-140%
84-15-1	o-Terphenyl	87%		40-140%
321-60-8	2-Fluorobiphenyl	90%		40-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0019		
Lab Sample ID:	F44516-4	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	89.3
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K028924.D	1	10/18/06	WJ	10/17/06 16:01	n/a	VK1287
Run #2							

	Initial Weight
Run #1	6.07 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	31.4	46	23	ug/kg	J
71-43-2	Benzene	ND	4.6	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	4.6	1.8	ug/kg	
75-25-2	Bromoform	ND	4.6	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	4.6	1.8	ug/kg	
75-00-3	Chloroethane	ND	4.6	2.8	ug/kg	
67-66-3	Chloroform	ND	4.6	1.8	ug/kg	
75-15-0	Carbon disulfide	ND	4.6	1.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.6	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.6	1.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.6	1.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.6	1.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.6	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	4.6	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.6	1.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.6	1.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.6	1.8	ug/kg	
100-41-4	Ethylbenzene	39.0	4.6	1.8	ug/kg	
591-78-6	2-Hexanone	ND	23	9.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	9.2	ug/kg	
74-83-9	Methyl bromide	ND	4.6	1.8	ug/kg	
74-87-3	Methyl chloride	ND	4.6	1.8	ug/kg	
75-09-2	Methylene chloride	9.7	9.2	4.6	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	23	9.2	ug/kg	
100-42-5	Styrene	ND	4.6	1.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.6	1.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.6	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.6	1.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.6	1.8	ug/kg	
108-88-3	Toluene	ND	4.6	1.8	ug/kg	
79-01-6	Trichloroethylene	ND	4.6	1.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0019		
Lab Sample ID:	F44516-4	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	89.3
Project:	Camp Lejeune-TT-49		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	4.6	1.8	ug/kg	
1330-20-7	Xylene (total)	15.9	14	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		78-123%
2037-26-5	Toluene-D8	109%		71-137%
460-00-4	4-Bromofluorobenzene	141%		61-157%
17060-07-0	1,2-Dichloroethane-D4	97%		74-125%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0019		
Lab Sample ID:	F44516-4	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.3
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	R05446.D	4	10/22/06	NJ	10/18/06	OP18200	SR259
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	3700	1500	ug/kg	
95-57-8	2-Chlorophenol	ND	740	150	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	740	150	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	740	150	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	740	150	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3700	1500	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1500	300	ug/kg	
95-48-7	2-Methylphenol	ND	740	150	ug/kg	
	3&4-Methylphenol	ND	740	150	ug/kg	
88-75-5	2-Nitrophenol	ND	740	150	ug/kg	
100-02-7	4-Nitrophenol	ND	3700	1500	ug/kg	
87-86-5	Pentachlorophenol	ND	3700	1500	ug/kg	
108-95-2	Phenol	ND	740	150	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	740	150	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	740	150	ug/kg	
83-32-9	Acenaphthene	533	740	150	ug/kg	J
208-96-8	Acenaphthylene	ND	740	150	ug/kg	
120-12-7	Anthracene	ND	740	150	ug/kg	
56-55-3	Benzo(a)anthracene	ND	740	150	ug/kg	
50-32-8	Benzo(a)pyrene	ND	740	150	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	740	150	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	740	300	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	740	150	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	740	150	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1500	370	ug/kg	
100-51-6	Benzyl Alcohol	ND	740	150	ug/kg	
91-58-7	2-Chloronaphthalene	ND	740	150	ug/kg	
106-47-8	4-Chloroaniline	ND	1500	590	ug/kg	
86-74-8	Carbazole	ND	740	150	ug/kg	
218-01-9	Chrysene	ND	740	150	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	740	150	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	740	300	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0019		
Lab Sample ID:	F44516-4	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.3
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	740	150	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	740	150	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	740	150	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	740	150	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	740	150	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	740	300	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	740	300	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1500	740	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	740	300	ug/kg	
132-64-9	Dibenzofuran	532	740	150	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	1500	370	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1500	740	ug/kg	
84-66-2	Diethyl phthalate	ND	1500	370	ug/kg	
131-11-3	Dimethyl phthalate	ND	1500	370	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1500	740	ug/kg	
206-44-0	Fluoranthene	ND	740	150	ug/kg	
86-73-7	Fluorene	1570	740	150	ug/kg	
118-74-1	Hexachlorobenzene	ND	740	150	ug/kg	
87-68-3	Hexachlorobutadiene	ND	740	300	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	740	300	ug/kg	
67-72-1	Hexachloroethane	ND	740	300	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	740	300	ug/kg	
78-59-1	Isophorone	ND	740	150	ug/kg	
91-57-6	2-Methylnaphthalene	6910	740	150	ug/kg	
88-74-4	2-Nitroaniline	ND	1500	370	ug/kg	
99-09-2	3-Nitroaniline	ND	1500	370	ug/kg	
100-01-6	4-Nitroaniline	ND	1500	520	ug/kg	
91-20-3	Naphthalene	594	740	150	ug/kg	J
98-95-3	Nitrobenzene	ND	740	150	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	740	300	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	740	150	ug/kg	
85-01-8	Phenanthrene	2660	740	150	ug/kg	
129-00-0	Pyrene	443	740	300	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	740	150	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		45-114%
4165-62-2	Phenol-d5	62%		44-124%
118-79-6	2,4,6-Tribromophenol	62%		50-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0019		
Lab Sample ID:	F44516-4	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.3
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	62%		46-122%
1718-51-0	Terphenyl-d14	64%		45-135%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0019		
Lab Sample ID:	F44516-4	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP VPH	Percent Solids:	89.3
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV024426.D	1	10/18/06	MM	n/a	n/a	GUV1405
Run #2 [a]	UV024435.D	1	10/18/06	MM	n/a	n/a	GUV1405

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.31 g	5.1 ml	10.0 ul
Run #2	6.31 g	5.1 ml	10.0 ul

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	34000	18000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	183000	25000	14000	ug/kg	
	C9- C10 Aromatics (Unadj.)	125000	9100	4500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	98%	87%	70-130%
460-00-4	BFB	152% [b]	143% [b]	70-130%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0019		
Lab Sample ID:	F44516-4	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP-EPH-98-1 SW846 3550B	Percent Solids:	89.3
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF22025.D	40	10/25/06	ME	10/18/06	OP18207	GZF1026
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	1270000	300000	300000	ug/kg	
	C9-C18 Aliphatics	2240000	300000	300000	ug/kg	
	C19-C36 Aliphatics	636000	300000	300000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	0% [a]		40-140%
580-13-2	2-Bromonaphthalene	0% [a]		40-140%
84-15-1	o-Terphenyl	0% [a]		40-140%
321-60-8	2-Fluorobiphenyl	0% [a]		40-140%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0020		
Lab Sample ID:	F44516-5	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	89.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K028925.D	1	10/18/06	WJ	10/17/06 16:01	n/a	VK1287
Run #2							

	Initial Weight
Run #1	5.99 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	38.0	47	23	ug/kg	J
71-43-2	Benzene	ND	4.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	1.9	ug/kg	
75-25-2	Bromoform	ND	4.7	1.9	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	1.9	ug/kg	
75-00-3	Chloroethane	ND	4.7	2.8	ug/kg	
67-66-3	Chloroform	ND	4.7	1.9	ug/kg	
75-15-0	Carbon disulfide	ND	4.7	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.7	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.7	1.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.7	1.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.7	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	4.7	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.7	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	1.9	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.7	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	1.9	ug/kg	
100-41-4	Ethylbenzene	69.9	4.7	1.9	ug/kg	
591-78-6	2-Hexanone	ND	23	9.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	9.3	ug/kg	
74-83-9	Methyl bromide	ND	4.7	1.9	ug/kg	
74-87-3	Methyl chloride	ND	4.7	1.9	ug/kg	
75-09-2	Methylene chloride	6.6	9.3	4.7	ug/kg	J,B
78-93-3	Methyl ethyl ketone	ND	23	9.3	ug/kg	
100-42-5	Styrene	ND	4.7	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	1.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	1.9	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.7	1.9	ug/kg	
108-88-3	Toluene	ND	4.7	1.9	ug/kg	
79-01-6	Trichloroethylene	ND	4.7	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0020		
Lab Sample ID:	F44516-5	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8260B SW846 5035	Percent Solids:	89.6
Project:	Camp Lejeune-TT-49		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	4.7	1.9	ug/kg	
1330-20-7	Xylene (total)	22.3	14	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		78-123%
2037-26-5	Toluene-D8	109%		71-137%
460-00-4	4-Bromofluorobenzene	125%		61-157%
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0020		
Lab Sample ID:	F44516-5	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	R05447.D	4	10/22/06	NJ	10/18/06	OP18200	SR259
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	3700	1500	ug/kg	
95-57-8	2-Chlorophenol	ND	740	150	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	740	150	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	740	150	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	740	150	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3700	1500	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1500	300	ug/kg	
95-48-7	2-Methylphenol	ND	740	150	ug/kg	
	3&4-Methylphenol	ND	740	150	ug/kg	
88-75-5	2-Nitrophenol	ND	740	150	ug/kg	
100-02-7	4-Nitrophenol	ND	3700	1500	ug/kg	
87-86-5	Pentachlorophenol	ND	3700	1500	ug/kg	
108-95-2	Phenol	ND	740	150	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	740	150	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	740	150	ug/kg	
83-32-9	Acenaphthene	309	740	150	ug/kg	J
208-96-8	Acenaphthylene	ND	740	150	ug/kg	
120-12-7	Anthracene	ND	740	150	ug/kg	
56-55-3	Benzo(a)anthracene	ND	740	150	ug/kg	
50-32-8	Benzo(a)pyrene	ND	740	150	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	740	150	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	740	300	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	740	150	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	740	150	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1500	370	ug/kg	
100-51-6	Benzyl Alcohol	ND	740	150	ug/kg	
91-58-7	2-Chloronaphthalene	ND	740	150	ug/kg	
106-47-8	4-Chloroaniline	ND	1500	600	ug/kg	
86-74-8	Carbazole	ND	740	150	ug/kg	
218-01-9	Chrysene	ND	740	150	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	740	150	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	740	300	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0020		
Lab Sample ID:	F44516-5	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.6
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	740	150	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	740	150	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	740	150	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	740	150	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	740	150	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	740	300	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	740	300	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1500	740	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	740	300	ug/kg	
132-64-9	Dibenzofuran	338	740	150	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	1500	370	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1500	740	ug/kg	
84-66-2	Diethyl phthalate	ND	1500	370	ug/kg	
131-11-3	Dimethyl phthalate	ND	1500	370	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1500	740	ug/kg	
206-44-0	Fluoranthene	ND	740	150	ug/kg	
86-73-7	Fluorene	866	740	150	ug/kg	
118-74-1	Hexachlorobenzene	ND	740	150	ug/kg	
87-68-3	Hexachlorobutadiene	ND	740	300	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	740	300	ug/kg	
67-72-1	Hexachloroethane	ND	740	300	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	740	300	ug/kg	
78-59-1	Isophorone	ND	740	150	ug/kg	
91-57-6	2-Methylnaphthalene	3690	740	150	ug/kg	
88-74-4	2-Nitroaniline	ND	1500	370	ug/kg	
99-09-2	3-Nitroaniline	ND	1500	370	ug/kg	
100-01-6	4-Nitroaniline	ND	1500	520	ug/kg	
91-20-3	Naphthalene	361	740	150	ug/kg	J
98-95-3	Nitrobenzene	ND	740	150	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	740	300	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	740	150	ug/kg	
85-01-8	Phenanthrene	1470	740	150	ug/kg	
129-00-0	Pyrene	ND	740	300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	740	150	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		45-114%
4165-62-2	Phenol-d5	56%		44-124%
118-79-6	2,4,6-Tribromophenol	60%		50-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0020		
Lab Sample ID:	F44516-5	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.6
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		41-123%
321-60-8	2-Fluorobiphenyl	57%		46-122%
1718-51-0	Terphenyl-d14	60%		45-135%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0020		
Lab Sample ID:	F44516-5	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP VPH	Percent Solids:	89.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV024434.D	1	10/18/06	MM	n/a	n/a	GUV1405
Run #2 [a]	UV024433.D	1	10/18/06	MM	n/a	n/a	GUV1405

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.97 g	5.1 ml	15.0 ul
Run #2	5.97 g	5.1 ml	15.0 ul

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	24000	13000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	128000	17000	9500	ug/kg	
	C9- C10 Aromatics (Unadj.)	88900	6400	3200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	103%	103%	70-130%
460-00-4	BFB	135% [b]	161% [b]	70-130%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-0020		
Lab Sample ID:	F44516-5	Date Sampled:	10/16/06
Matrix:	SO - Soil	Date Received:	10/17/06
Method:	MADEP-EPH-98-1 SW846 3550B	Percent Solids:	89.6
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF22027.D	50	10/25/06	ME	10/18/06	OP18207	GZF1026
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	1920000	360000	360000	ug/kg	
	C9-C18 Aliphatics	2470000	360000	360000	ug/kg	
	C19-C36 Aliphatics	672000	360000	360000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	0% [a]		40-140%
580-13-2	2-Bromonaphthalene	0% [a]		40-140%
84-15-1	o-Terphenyl	0% [a]		40-140%
321-60-8	2-Fluorobiphenyl	0% [a]		40-140%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT TRIP BLANK		
Lab Sample ID:	F44516-6	Date Sampled:	10/16/06
Matrix:	AQ - Trip Blank Soil	Date Received:	10/17/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0043980.D	1	10/23/06	KW	n/a	n/a	VC1777
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT TRIP BLANK		
Lab Sample ID:	F44516-6	Date Sampled:	10/16/06
Matrix:	AQ - Trip Blank Soil	Date Received:	10/17/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	91%		73-126%
2037-26-5	Toluene-D8	107%		86-112%
460-00-4	4-Bromofluorobenzene	107%		83-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

COC Number:
109972-TT-101606

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD F44516

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
109972	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: 8260	8270	MADEP EPH	MADEP VPH
1	TT-0016	10/16/06	10:00		X	TT Tank 3 North Wall	8	X	X	X	X
2	TT-0017	10/16/06	10:10		X	TT Tank 3 West Wall	8	X	X	X	X
3	TT-0018	10/16/06	10:20		X	TT Tank 3 South Wall	8	X	X	X	X
4	TT-0019	10/16/06	10:30		X	TT Tank 3 East Wall	8	X	X	X	X
5	TT-0020	10/16/06	10:40		X	TT Tank 3 East Wall Dup	8	X	X	X	X
6	TT Trip Blank	10/16/06			X	Trip Blank	2	X			
7											
8											
9											
10											

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 6	[signature]	Fed EX 8574 8740 2534	10/16/06	16:00	5 Day TAT
2		FX	George Corsel	10-17-06	09:00	4.4
3						

3.1 3

F44516: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F44516 CLIENT: SHAW PROJECT: CAMP LEJEUNE - TT

DATE/TIME RECEIVED: 10-17-06 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 4.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8574 8740 2534

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 30

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OR LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE JC 10-17-06 TECHNICIAN SIGNATURE/DATE ASBD 10/03/06

3.1 C

F44516: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1287-MB	K028912.D	1	10/18/06	WJ	n/a	n/a	VK1287

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-1, F44516-2, F44516-4, F44516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	6.9	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	15	5.0	ug/kg	

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1287-MB	K028912.D	1	10/18/06	WJ	n/a	n/a	VK1287

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-1, F44516-2, F44516-4, F44516-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	78-123%
2037-26-5	Toluene-D8	101%	71-137%
460-00-4	4-Bromofluorobenzene	80%	61-157%
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1290-MB	K028963.D	1	10/21/06	WJ	n/a	n/a	VK1290

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	15	5.0	ug/kg	

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1290-MB	K028963.D	1	10/21/06	WJ	n/a	n/a	VK1290

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	78-123%
2037-26-5	Toluene-D8	100%	71-137%
460-00-4	4-Bromofluorobenzene	94%	61-157%
17060-07-0	1,2-Dichloroethane-D4	95%	74-125%

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1777-MB	C0043974.D	1	10/23/06	KW	n/a	n/a	VC1777

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1777-MB	C0043974.D	1	10/23/06	KW	n/a	n/a	VC1777

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	114%	73-126%
2037-26-5	Toluene-D8	111%	86-112%
460-00-4	4-Bromofluorobenzene	113%	83-119%

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1287-BS	K028910.D	1	10/18/06	WJ	n/a	n/a	VK1287

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-1, F44516-2, F44516-4, F44516-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	240	96	51-136
71-43-2	Benzene	50	49.8	100	74-124
75-27-4	Bromodichloromethane	50	47.7	95	74-124
75-25-2	Bromoform	50	52.1	104	79-127
108-90-7	Chlorobenzene	50	52.3	105	78-117
75-00-3	Chloroethane	50	65.1	130	63-147
67-66-3	Chloroform	50	50.6	101	75-121
75-15-0	Carbon disulfide	50	35.6	71	59-148
56-23-5	Carbon tetrachloride	50	51.8	104	67-131
75-34-3	1,1-Dichloroethane	50	50.1	100	71-118
75-35-4	1,1-Dichloroethylene	50	42.8	86	64-126
107-06-2	1,2-Dichloroethane	50	52.1	104	72-120
78-87-5	1,2-Dichloropropane	50	50.3	101	74-126
124-48-1	Dibromochloromethane	50	50.1	100	78-120
156-59-2	cis-1,2-Dichloroethylene	50	50.1	100	75-124
10061-01-5	cis-1,3-Dichloropropene	50	50.1	100	72-120
156-60-5	trans-1,2-Dichloroethylene	50	48.2	96	70-122
10061-02-6	trans-1,3-Dichloropropene	50	59.1	118	75-118
100-41-4	Ethylbenzene	50	52.6	105	77-120
591-78-6	2-Hexanone	250	262	105	68-136
108-10-1	4-Methyl-2-pentanone	250	238	95	69-136
74-83-9	Methyl bromide	50	57.1	114	52-156
74-87-3	Methyl chloride	50	69.7	139	63-142
75-09-2	Methylene chloride	50	47.8	96	51-142
78-93-3	Methyl ethyl ketone	250	268	107	63-138
100-42-5	Styrene	50	51.5	103	74-120
71-55-6	1,1,1-Trichloroethane	50	50.7	101	70-131
79-34-5	1,1,2,2-Tetrachloroethane	50	50.6	101	76-121
79-00-5	1,1,2-Trichloroethane	50	53.1	106	77-118
127-18-4	Tetrachloroethylene	50	56.6	113	68-127
108-88-3	Toluene	50	52.8	106	74-118
79-01-6	Trichloroethylene	50	50.7	101	72-122
75-01-4	Vinyl chloride	50	51.4	103	64-144
1330-20-7	Xylene (total)	150	157	105	78-122

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1287-BS	K028910.D	1	10/18/06	WJ	n/a	n/a	VK1287

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-1, F44516-2, F44516-4, F44516-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	78-123%
2037-26-5	Toluene-D8	104%	71-137%
460-00-4	4-Bromofluorobenzene	94%	61-157%
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1290-BS	K028961.D	1	10/21/06	WJ	n/a	n/a	VK1290

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	219	88	51-136
71-43-2	Benzene	50	51.8	104	74-124
75-27-4	Bromodichloromethane	50	50.8	102	74-124
75-25-2	Bromoform	50	52.5	105	79-127
108-90-7	Chlorobenzene	50	54.0	108	78-117
75-00-3	Chloroethane	50	60.3	121	63-147
67-66-3	Chloroform	50	52.8	106	75-121
75-15-0	Carbon disulfide	50	35.7	71	59-148
56-23-5	Carbon tetrachloride	50	53.9	108	67-131
75-34-3	1,1-Dichloroethane	50	51.7	103	71-118
75-35-4	1,1-Dichloroethylene	50	45.5	91	64-126
107-06-2	1,2-Dichloroethane	50	52.4	105	72-120
78-87-5	1,2-Dichloropropane	50	52.2	104	74-126
124-48-1	Dibromochloromethane	50	52.6	105	78-120
156-59-2	cis-1,2-Dichloroethylene	50	49.6	99	75-124
10061-01-5	cis-1,3-Dichloropropene	50	54.4	109	72-120
156-60-5	trans-1,2-Dichloroethylene	50	50.5	101	70-122
10061-02-6	trans-1,3-Dichloropropene	50	59.0	118	75-118
100-41-4	Ethylbenzene	50	54.9	110	77-120
591-78-6	2-Hexanone	250	241	96	68-136
108-10-1	4-Methyl-2-pentanone	250	238	95	69-136
74-83-9	Methyl bromide	50	52.0	104	52-156
74-87-3	Methyl chloride	50	56.6	113	63-142
75-09-2	Methylene chloride	50	42.1	84	51-142
78-93-3	Methyl ethyl ketone	250	230	92	63-138
100-42-5	Styrene	50	54.1	108	74-120
71-55-6	1,1,1-Trichloroethane	50	54.6	109	70-131
79-34-5	1,1,2,2-Tetrachloroethane	50	49.5	99	76-121
79-00-5	1,1,2-Trichloroethane	50	51.3	103	77-118
127-18-4	Tetrachloroethylene	50	58.2	116	68-127
108-88-3	Toluene	50	54.3	109	74-118
79-01-6	Trichloroethylene	50	54.2	108	72-122
75-01-4	Vinyl chloride	50	43.3	87	64-144
1330-20-7	Xylene (total)	150	168	112	78-122

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1290-BS	K028961.D	1	10/21/06	WJ	n/a	n/a	VK1290

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	78-123%
2037-26-5	Toluene-D8	101%	71-137%
460-00-4	4-Bromofluorobenzene	94%	61-157%
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1777-BS	C0043975.D	1	10/23/06	KW	n/a	n/a	VC1777

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	107	86	44-142
71-43-2	Benzene	25	20.1	80	80-120
75-27-4	Bromodichloromethane	25	21.2	85	75-120
75-25-2	Bromoform	25	20.5	82	60-129
108-90-7	Chlorobenzene	25	24.0	96	82-112
75-00-3	Chloroethane	25	35.1	140	67-148
67-66-3	Chloroform	25	23.0	92	78-118
75-15-0	Carbon disulfide	25	20.0	80	65-147
56-23-5	Carbon tetrachloride	25	23.0	92	69-137
75-34-3	1,1-Dichloroethane	25	22.5	90	75-117
75-35-4	1,1-Dichloroethylene	25	22.8	91	67-134
107-06-2	1,2-Dichloroethane	25	23.7	95	68-121
78-87-5	1,2-Dichloropropane	25	22.5	90	78-122
124-48-1	Dibromochloromethane	25	22.3	89	68-118
156-59-2	cis-1,2-Dichloroethylene	25	20.4	82	81-120
10061-01-5	cis-1,3-Dichloropropene	25	22.1	88	73-115
156-60-5	trans-1,2-Dichloroethylene	25	23.0	92	74-125
10061-02-6	trans-1,3-Dichloropropene	25	25.1	100	69-115
100-41-4	Ethylbenzene	25	25.8	103	82-115
591-78-6	2-Hexanone	125	103	82	60-125
108-10-1	4-Methyl-2-pentanone	125	95.6	76	61-128
74-83-9	Methyl bromide	25	27.7	111	60-165
74-87-3	Methyl chloride	25	28.3	113	58-152
75-09-2	Methylene chloride	25	20.9	84	66-125
78-93-3	Methyl ethyl ketone	125	92.9	74	58-127
100-42-5	Styrene	25	24.4	98	58-125
71-55-6	1,1,1-Trichloroethane	25	23.7	95	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	21.3	85	67-119
79-00-5	1,1,2-Trichloroethane	25	22.6	90	74-115
127-18-4	Tetrachloroethylene	25	25.2	101	75-126
108-88-3	Toluene	25	24.3	97	81-114
79-01-6	Trichloroethylene	25	22.7	91	80-115
75-01-4	Vinyl chloride	25	24.5	98	70-151
1330-20-7	Xylene (total)	75	79.3	106	81-118

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1777-BS	C0043975.D	1	10/23/06	KW	n/a	n/a	VC1777

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	115%	73-126%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	100%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44495-2MS	K028914.D	1	10/18/06	WJ	n/a	n/a	VK1287
F44495-2MSD	K028915.D	1	10/18/06	WJ	n/a	n/a	VK1287
F44495-2	K028913.D	1	10/18/06	WJ	n/a	n/a	VK1287

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-1, F44516-2, F44516-4, F44516-5

CAS No.	Compound	F44495-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	49 U		286	297	104	275	95	8	14-140/33
71-43-2	Benzene	4.9 U		57.2	49.2	86	46.6	80	5	63-135/23
75-27-4	Bromodichloromethane	4.9 U		57.2	45.2	79	43.3	75	4	63-126/23
75-25-2	Bromoform	4.9 U		57.2	47.2	82	41.6	72	13	54-109/24
108-90-7	Chlorobenzene	4.9 U		57.2	47.0	82	41.2	71	13	64-130/24
75-00-3	Chloroethane	4.9 U		57.2	69.3	121	64.2	111	8	53-172/28
67-66-3	Chloroform	4.9 U		57.2	51.5	90	48.2	83	7	68-131/24
75-15-0	Carbon disulfide	4.9 U		57.2	31.8	56	27.3	47	15	47-165/29
56-23-5	Carbon tetrachloride	4.9 U		57.2	48.3	84	46.2	80	4	64-148/24
75-34-3	1,1-Dichloroethane	4.9 U		57.2	49.4	86	47.7	82	4	64-130/25
75-35-4	1,1-Dichloroethylene	4.9 U		57.2	43.2	75	39.1	67	10	55-149/28
107-06-2	1,2-Dichloroethane	4.9 U		57.2	51.6	90	49.2	85	5	60-114/22
78-87-5	1,2-Dichloropropane	4.9 U		57.2	49.6	87	47.3	81	5	65-128/23
124-48-1	Dibromochloromethane	4.9 U		57.2	49.3	86	45.8	79	7	60-119/23
156-59-2	cis-1,2-Dichloroethylene	4.9 U		57.2	45.7	80	44.8	77	2	66-132/24
10061-01-5	cis-1,3-Dichloropropene	4.9 U		57.2	44.8	78	42.3	73	6	57-118/25
156-60-5	trans-1,2-Dichloroethylene	4.9 U		57.2	45.2	79	42.2	73	7	63-137/27
10061-02-6	trans-1,3-Dichloropropene	4.9 U		57.2	49.4	86	46.4	80	6	58-115/25
100-41-4	Ethylbenzene	4.9 U		57.2	49.4	86	43.0	74	14	63-142/25
591-78-6	2-Hexanone	24 U		286	240	84	229	79	5	35-109/34
108-10-1	4-Methyl-2-pentanone	24 U		286	238	83	238	82	0	44-99/32
74-83-9	Methyl bromide	4.9 U		57.2	58.0	101	53.4	92	8	38-188/27
74-87-3	Methyl chloride	4.9 U		57.2	79.9	140	72.5	125	10	57-160/29
75-09-2	Methylene chloride	9.7 U		57.2	145	253*	155	267*	7	40-183/34
78-93-3	Methyl ethyl ketone	24 U		286	251	88	254	87	1	27-112/32
100-42-5	Styrene	4.9 U		57.2	42.0	73	35.4	61	17	54-130/26
71-55-6	1,1,1-Trichloroethane	4.9 U		57.2	50.1	88	46.4	80	8	70-149/25
79-34-5	1,1,2,2-Tetrachloroethane	4.9 U		57.2	55.9	98	47.1	81	17	45-121/33
79-00-5	1,1,2-Trichloroethane	4.9 U		57.2	53.7	94	49.8	86	8	60-114/25
127-18-4	Tetrachloroethylene	4.9 U		57.2	53.0	93	44.9	77	17	54-154/27
108-88-3	Toluene	4.9 U		57.2	53.2	93	46.6	80	13	62-142/29
79-01-6	Trichloroethylene	4.9 U		57.2	47.3	83	42.9	74	10	59-143/25
75-01-4	Vinyl chloride	4.9 U		57.2	56.5	99	51.5	89	9	64-165/27
1330-20-7	Xylene (total)	15 U		172	148	86	129	74	14	64-142/24

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44495-2MS	K028914.D	1	10/18/06	WJ	n/a	n/a	VK1287
F44495-2MSD	K028915.D	1	10/18/06	WJ	n/a	n/a	VK1287
F44495-2	K028913.D	1	10/18/06	WJ	n/a	n/a	VK1287

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-1, F44516-2, F44516-4, F44516-5

CAS No.	Surrogate Recoveries	MS	MSD	F44495-2	Limits
1868-53-7	Dibromofluoromethane	102%	102%	96%	78-123%
2037-26-5	Toluene-D8	112%	108%	110%	71-137%
460-00-4	4-Bromofluorobenzene	108%	107%	103%	61-157%
17060-07-0	1,2-Dichloroethane-D4	103%	101%	99%	74-125%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44536-1MS	K028966.D	1	10/21/06	WJ	n/a	n/a	VK1290
F44536-1MSD	K028967.D	1	10/21/06	WJ	n/a	n/a	VK1290
F44536-1 [a]	K028965.D	1	10/21/06	WJ	n/a	n/a	VK1290

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-3

CAS No.	Compound	F44536-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	70 U		357	162	45	79.5	22	68*	14-140/33
71-43-2	Benzene	7.0 U		71.5	34.3	48*	45.7	64	29*	63-135/23
75-27-4	Bromodichloromethane	7.0 U		71.5	34.2	48*	47.8	67	33*	63-126/23
75-25-2	Bromoform	7.0 U		71.5	26.5	37*	38.3	53*	36*	54-109/24
108-90-7	Chlorobenzene	7.0 U		71.5	24.6	34*	41.5	58*	51*	64-130/24
75-00-3	Chloroethane	7.0 U		71.5	52.7	74	70.8	99	29*	53-172/28
67-66-3	Chloroform	7.0 U		71.5	42.7	60*	60.8	85	35*	68-131/24
75-15-0	Carbon disulfide	7.0 U		71.5	18.1	25*	18.5	26*	2	47-165/29
56-23-5	Carbon tetrachloride	7.0 U		71.5	30.0	42*	43.0	60*	36*	64-148/24
75-34-3	1,1-Dichloroethane	7.0 U		71.5	43.6	61*	61.3	85	34*	64-130/25
75-35-4	1,1-Dichloroethylene	7.0 U		71.5	25.5	36*	25.6	36*	0	55-149/28
107-06-2	1,2-Dichloroethane	7.0 U		71.5	46.0	64	60.3	84	27*	60-114/22
78-87-5	1,2-Dichloropropane	7.0 U		71.5	38.8	54*	53.1	74	31*	65-128/23
124-48-1	Dibromochloromethane	7.0 U		71.5	31.9	45*	50.5	70	45*	60-119/23
156-59-2	cis-1,2-Dichloroethylene	7.0 U		71.5	38.8	54*	56.0	78	36*	66-132/24
10061-01-5	cis-1,3-Dichloropropene	7.0 U		71.5	27.5	38*	24.8	35*	10	57-118/25
156-60-5	trans-1,2-Dichloroethylene	7.0 U		71.5	38.5	54*	57.5	80	40*	63-137/27
10061-02-6	trans-1,3-Dichloropropene	7.0 U		71.5	36.7	51*	41.8	58	13	58-115/25
100-41-4	Ethylbenzene	7.0 U		71.5	22.4	31*	34.1	48*	41*	63-142/25
591-78-6	2-Hexanone	35 U		357	75.3	21*	18.1	5*	122*	35-109/34
108-10-1	4-Methyl-2-pentanone	35 U		357	112	31*	37.7	11*	99*	44-99/32
74-83-9	Methyl bromide	7.0 U		71.5	38.9	54	34.4	48	12	38-188/27
74-87-3	Methyl chloride	7.0 U		71.5	58.4	82	73.8	103	23	57-160/29
75-09-2	Methylene chloride	14 U		71.5	39.4	55	54.7	76	33	40-183/34
78-93-3	Methyl ethyl ketone	35 U		357	146	41	59.2	16*	85*	27-112/32
100-42-5	Styrene	7.0 U		71.5	19.9	28*	29.0	40*	37*	54-130/26
71-55-6	1,1,1-Trichloroethane	7.0 U		71.5	36.6	51*	54.5	76	39*	70-149/25
79-34-5	1,1,2,2-Tetrachloroethane	7.0 U		71.5	31.3	44*	51.7	72	49*	45-121/33
79-00-5	1,1,2-Trichloroethane	7.0 U		71.5	42.3	59*	61.7	86	37*	60-114/25
127-18-4	Tetrachloroethylene	7.0 U		71.5	22.9	32*	37.4	52*	48*	54-154/27
108-88-3	Toluene	7.0 U		71.5	27.7	39*	37.3	52*	30*	62-142/29
79-01-6	Trichloroethylene	7.0 U		71.5	31.4	44*	50.2	70	46*	59-143/25
75-01-4	Vinyl chloride	7.0 U		71.5	34.7	49*	37.9	53*	9	64-165/27
1330-20-7	Xylene (total)	21 U		214	66.7	31*	101	47*	41*	64-142/24

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44536-1MS	K028966.D	1	10/21/06	WJ	n/a	n/a	VK1290
F44536-1MSD	K028967.D	1	10/21/06	WJ	n/a	n/a	VK1290
F44536-1 [a]	K028965.D	1	10/21/06	WJ	n/a	n/a	VK1290

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-3

CAS No.	Surrogate Recoveries	MS	MSD	F44536-1	Limits
1868-53-7	Dibromofluoromethane	103%	99%	98%	78-123%
2037-26-5	Toluene-D8	107%	115%	107%	71-137%
460-00-4	4-Bromofluorobenzene	94%	110%	96%	61-157%
17060-07-0	1,2-Dichloroethane-D4	110%	106%	100%	74-125%

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44457-1MS	C0043987.D	1	10/23/06	KW	n/a	n/a	VC1777
F44457-1MSD	C0043988.D	1	10/23/06	KW	n/a	n/a	VC1777
F44457-1 [a]	C0043983.D	1	10/23/06	KW	n/a	n/a	VC1777

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-6

CAS No.	Compound	F44457-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	30.5		125	92.1	49	99.1	55	7	45-127/15
71-43-2	Benzene	0.83	J	25	24.1	93	24.5	95	2	72-125/7
75-27-4	Bromodichloromethane	ND		25	20.6	82	21.3	85	3	72-120/8
75-25-2	Bromoform	ND		25	20.9	84	21.9	88	5	55-127/11
108-90-7	Chlorobenzene	ND		25	26.1	104	26.0	104	0	79-113/7
75-00-3	Chloroethane	ND		25	26.7	107	27.1	108	1	56-164/14
67-66-3	Chloroform	ND		25	23.0	92	23.7	95	3	75-120/8
75-15-0	Carbon disulfide	ND		25	23.5	94	24.0	96	2	60-151/12
56-23-5	Carbon tetrachloride	ND		25	20.6	82	21.5	86	4	56-145/12
75-34-3	1,1-Dichloroethane	ND		25	23.0	92	23.2	93	1	70-122/10
75-35-4	1,1-Dichloroethylene	ND		25	21.8	87	22.4	90	3	61-137/15
107-06-2	1,2-Dichloroethane	ND		25	21.2	85	22.1	88	4	64-124/7
78-87-5	1,2-Dichloropropane	ND		25	23.7	95	23.9	96	1	74-123/8
124-48-1	Dibromochloromethane	ND		25	23.1	92	23.5	94	2	63-119/9
156-59-2	cis-1,2-Dichloroethylene	81.8		25	111	117	113	125	2	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.7	91	23.8	95	5	65-112/10
156-60-5	trans-1,2-Dichloroethylene	24.2		25	50.7	106	51.8	110	2	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.0	96	24.6	98	2	59-116/11
100-41-4	Ethylbenzene	ND		25	27.0	108	27.2	109	1	73-119/8
591-78-6	2-Hexanone	ND		125	101	81	107	86	6	54-131/11
108-10-1	4-Methyl-2-pentanone	ND		125	98.2	79	104	83	6	57-136/11
74-83-9	Methyl bromide	ND		25	22.8	91	22.5	90	1	52-172/16
74-87-3	Methyl chloride	ND		25	24.9	100	24.2	97	3	53-155/19
75-09-2	Methylene chloride	2.9	J	25	20.8	72	21.3	74	2	61-129/11
78-93-3	Methyl ethyl ketone	ND		125	88.7	71	93.3	75	5	51-128/10
100-42-5	Styrene	ND		25	27.0	108	27.2	109	1	64-124/11
71-55-6	1,1,1-Trichloroethane	ND		25	21.7	87	22.7	91	5	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	25.3	101	25.3	101	0	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		25	24.4	98	25.0	100	2	72-116/9
127-18-4	Tetrachloroethylene	ND		25	27.5	110	27.8	111	1	70-126/9
108-88-3	Toluene	ND		25	27.1	108	27.0	108	0	67-123/8
79-01-6	Trichloroethylene	3.5		25	28.1	98	28.5	100	1	73-117/10
75-01-4	Vinyl chloride	6.9		25	27.7	83	27.0	80	3	63-161/18
1330-20-7	Xylene (total)	ND		75	81.2	108	82.2	110	1	73-122/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44457-1MS	C0043987.D	1	10/23/06	KW	n/a	n/a	VC1777
F44457-1MSD	C0043988.D	1	10/23/06	KW	n/a	n/a	VC1777
F44457-1 [a]	C0043983.D	1	10/23/06	KW	n/a	n/a	VC1777

The QC reported here applies to the following samples: Method: SW846 8260B

F44516-6

CAS No.	Surrogate Recoveries	MS	MSD	F44457-1	Limits
1868-53-7	Dibromofluoromethane	95%	98%	99%	86-115%
17060-07-0	1,2-Dichloroethane-D4	92%	95%	91%	73-126%
2037-26-5	Toluene-D8	105%	104%	108%	86-112%
460-00-4	4-Bromofluorobenzene	96%	95%	106%	83-119%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

GC/MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-MB	R05379.D	1	10/20/06	NJ	10/18/06	OP18200	SR257

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-MB	R05379.D	1	10/20/06	NJ	10/18/06	OP18200	SR257

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	77%	45-114%
4165-62-2	Phenol-d5	79%	44-124%

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-MB	R05379.D	1	10/20/06	NJ	10/18/06	OP18200	SR257

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	72%	50-128%
4165-60-0	Nitrobenzene-d5	72%	41-123%
321-60-8	2-Fluorobiphenyl	71%	46-122%
1718-51-0	Terphenyl-d14	81%	45-135%

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-MB	R05445.D	1	10/22/06	NJ	10/18/06	OP18200	SR259

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-MB	R05445.D	1	10/22/06	NJ	10/18/06	OP18200	SR259

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	76%	45-114%
4165-62-2	Phenol-d5	78%	44-124%

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-MB	R05445.D	1	10/22/06	NJ	10/18/06	OP18200	SR259

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	67%	50-128%
4165-60-0	Nitrobenzene-d5	73%	41-123%
321-60-8	2-Fluorobiphenyl	71%	46-122%
1718-51-0	Terphenyl-d14	78%	45-135%

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-BS	R05378.D	1	10/20/06	NJ	10/18/06	OP18200	SR257

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	3330	2710	81	48-121
95-57-8	2-Chlorophenol	1670	1280	77	61-101
59-50-7	4-Chloro-3-methyl phenol	1670	1360	82	63-107
120-83-2	2,4-Dichlorophenol	1670	1280	77	65-106
105-67-9	2,4-Dimethylphenol	1670	1080	65	53-96
51-28-5	2,4-Dinitrophenol	3330	2640	79	42-122
534-52-1	4,6-Dinitro-o-cresol	3330	2840	85	60-122
95-48-7	2-Methylphenol	1670	1260	76	58-98
	3&4-Methylphenol	3330	2580	77	58-99
88-75-5	2-Nitrophenol	1670	1220	73	59-103
100-02-7	4-Nitrophenol	3330	2990	90	66-111
87-86-5	Pentachlorophenol	3330	2830	85	58-120
108-95-2	Phenol	1670	1300	78	59-104
95-95-4	2,4,5-Trichlorophenol	1670	1290	77	65-105
88-06-2	2,4,6-Trichlorophenol	1670	1250	75	66-106
83-32-9	Acenaphthene	1670	1250	75	63-100
208-96-8	Acenaphthylene	1670	1230	74	62-100
120-12-7	Anthracene	1670	1360	82	67-104
56-55-3	Benzo(a)anthracene	1670	1350	81	66-107
50-32-8	Benzo(a)pyrene	1670	1360	82	63-106
205-99-2	Benzo(b)fluoranthene	1670	1420	85	65-110
191-24-2	Benzo(g,h,i)perylene	1670	1270	76	60-107
207-08-9	Benzo(k)fluoranthene	1670	1390	83	66-111
101-55-3	4-Bromophenyl phenyl ether	1670	1280	77	66-108
85-68-7	Butyl benzyl phthalate	1670	1430	86	62-112
100-51-6	Benzyl Alcohol	1670	1230	74	60-103
91-58-7	2-Chloronaphthalene	1670	1190	71	62-98
106-47-8	4-Chloroaniline	1670	783	47	20-87
86-74-8	Carbazole	1670	1380	83	65-108
218-01-9	Chrysene	1670	1380	83	66-107
111-91-1	bis(2-Chloroethoxy)methane	1670	1140	68	54-98
111-44-4	bis(2-Chloroethyl)ether	1670	1240	74	57-103
108-60-1	bis(2-Chloroisopropyl)ether	1670	1170	70	48-102
7005-72-3	4-Chlorophenyl phenyl ether	1670	1290	77	65-106
95-50-1	1,2-Dichlorobenzene	1670	1170	70	50-97
541-73-1	1,3-Dichlorobenzene	1670	1100	66	46-94

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-BS	R05378.D	1	10/20/06	NJ	10/18/06	OP18200	SR257

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	1670	1130	68	47-95
121-14-2	2,4-Dinitrotoluene	1670	1390	83	60-107
606-20-2	2,6-Dinitrotoluene	1670	1280	77	59-103
91-94-1	3,3'-Dichlorobenzidine	1670	1020	61	32-91
53-70-3	Dibenzo(a,h)anthracene	1670	1300	78	59-108
132-64-9	Dibenzofuran	1670	1240	74	64-103
84-74-2	Di-n-butyl phthalate	1670	1420	85	64-109
117-84-0	Di-n-octyl phthalate	1670	1580	95	64-123
84-66-2	Diethyl phthalate	1670	1510	91	61-112
131-11-3	Dimethyl phthalate	1670	1330	80	63-107
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1450	87	62-114
206-44-0	Fluoranthene	1670	1440	86	64-110
86-73-7	Fluorene	1670	1310	79	63-102
118-74-1	Hexachlorobenzene	1670	1250	75	64-104
87-68-3	Hexachlorobutadiene	1670	1100	66	56-99
77-47-4	Hexachlorocyclopentadiene	1670	1100	66	32-93
67-72-1	Hexachloroethane	1670	1100	66	47-96
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1310	79	60-110
78-59-1	Isophorone	1670	1290	77	60-100
91-57-6	2-Methylnaphthalene	1670	1240	74	60-104
88-74-4	2-Nitroaniline	1670	1370	82	61-105
99-09-2	3-Nitroaniline	1670	945	57	34-84
100-01-6	4-Nitroaniline	1670	1360	82	53-105
91-20-3	Naphthalene	1670	1190	71	58-96
98-95-3	Nitrobenzene	1670	1210	73	58-98
621-64-7	N-Nitroso-di-n-propylamine	1670	1290	77	54-95
86-30-6	N-Nitrosodiphenylamine	1670	1280	77	66-106
85-01-8	Phenanthrene	1670	1340	80	66-105
129-00-0	Pyrene	1670	1330	80	66-109
120-82-1	1,2,4-Trichlorobenzene	1670	1140	68	58-97

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	79%	45-114%
4165-62-2	Phenol-d5	80%	44-124%

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-BS	R05378.D	1	10/20/06	NJ	10/18/06	OP18200	SR257

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	78%	50-128%
4165-60-0	Nitrobenzene-d5	71%	41-123%
321-60-8	2-Fluorobiphenyl	69%	46-122%
1718-51-0	Terphenyl-d14	79%	45-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-MS	R05391.D	1	10/20/06	NJ	10/18/06	OP18200	SR257
OP18200-MSD	R05392.D	1	10/20/06	NJ	10/18/06	OP18200	SR257
F44495-11	R05390.D	1	10/20/06	NJ	10/18/06	OP18200	SR257

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	F44495-11 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	1000 U		4160	1050	25	1330	31	24	10-124/35
95-57-8	2-Chlorophenol	210 U		2080	1310	63	1240	58	5	46-99/28
59-50-7	4-Chloro-3-methyl phenol	210 U		2080	1470	71	1420	67	3	51-106/24
120-83-2	2,4-Dichlorophenol	210 U		2080	1390	67	1310	61	6	51-105/24
105-67-9	2,4-Dimethylphenol	210 U		2080	1170	56	1110	52	5	47-95/27
51-28-5	2,4-Dinitrophenol	1000 U		4160	875	21	934	22	7	10-114/50
534-52-1	4,6-Dinitro-o-cresol	410 U		4160	1280	31	1240	29	3	11-120/39
95-48-7	2-Methylphenol	210 U		2080	1260	61	1190	56	6	48-96/26
	3&4-Methylphenol	41.8	I	4160	2770	66	2630	61	5	50-95/26
88-75-5	2-Nitrophenol	210 U		2080	1250	60	1130	53	10	36-109/29
100-02-7	4-Nitrophenol	1000 U		4160	2990	72	3020	71	1	50-107/25
87-86-5	Pentachlorophenol	1000 U		4160	2170	52	2240	52	3	45-118/30
108-95-2	Phenol	210 U		2080	1320	63	1340	63	2	44-105/27
95-95-4	2,4,5-Trichlorophenol	210 U		2080	1350	65	1310	61	3	58-101/23
88-06-2	2,4,6-Trichlorophenol	210 U		2080	1340	64	1300	61	3	56-103/23
83-32-9	Acenaphthene	210 U		2080	1340	64	1330	62	1	47-106/28
208-96-8	Acenaphthylene	210 U		2080	1350	65	1310	61	3	48-102/24
120-12-7	Anthracene	210 U		2080	1410	68	1430	67	1	52-108/26
56-55-3	Benzo(a)anthracene	126	I	2080	1520	67	1640	71	8	54-106/26
50-32-8	Benzo(a)pyrene	136	I	2080	1500	66	1590	68	6	53-104/25
205-99-2	Benzo(b)fluoranthene	202	I	2080	1550	65	1670	69	7	53-109/27
191-24-2	Benzo(g,h,i)perylene	104	I	2080	1390	62	1440	63	4	53-104/28
207-08-9	Benzo(k)fluoranthene	69.7	I	2080	1450	66	1500	67	3	55-107/29
101-55-3	4-Bromophenyl phenyl ether	210 U		2080	1260	61	1250	59	1	59-102/23
85-68-7	Butyl benzyl phthalate	410 U		2080	1410	68	1360	64	4	58-105/23
100-51-6	Benzyl Alcohol	210 U		2080	1410	68	1360	64	4	52-97/30
91-58-7	2-Chloronaphthalene	210 U		2080	1290	62	1210	57	6	54-92/24
106-47-8	4-Chloroaniline	410 U		2080	812	39	719	34	12	21-92/35
86-74-8	Carbazole	210 U		2080	1370	66	1410	66	3	56-104/25
218-01-9	Chrysene	139	I	2080	1540	67	1640	70	6	54-108/26
111-91-1	bis(2-Chloroethoxy)methane	210 U		2080	1170	56	1070	50	9	44-94/27
111-44-4	bis(2-Chloroethyl)ether	210 U		2080	1480	71	1340	63	10	40-104/30
108-60-1	bis(2-Chloroisopropyl)ether	210 U		2080	1160	56	1060	50	9	40-91/29
7005-72-3	4-Chlorophenyl phenyl ether	210 U		2080	1340	64	1290	60	4	57-101/22
95-50-1	1,2-Dichlorobenzene	210 U		2080	1130	54	1020	48	10	36-88/34
541-73-1	1,3-Dichlorobenzene	210 U		2080	1030	50	939	44	9	30-85/33

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-MS	R05391.D	1	10/20/06	NJ	10/18/06	OP18200	SR257
OP18200-MSD	R05392.D	1	10/20/06	NJ	10/18/06	OP18200	SR257
F44495-11	R05390.D	1	10/20/06	NJ	10/18/06	OP18200	SR257

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	F44495-11 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	210 U		2080	1060	51	956	45	10	30-87/33
121-14-2	2,4-Dinitrotoluene	210 U		2080	1330	64	1310	61	2	46-105/28
606-20-2	2,6-Dinitrotoluene	210 U		2080	1270	61	1240	58	2	46-102/26
91-94-1	3,3'-Dichlorobenzidine	410 U		2080	1090	52	1110	52	2	22-104/35
53-70-3	Dibenzo(a,h)anthracene	210 U		2080	1340	64	1360	64	1	53-103/26
132-64-9	Dibenzofuran	210 U		2080	1310	63	1300	61	1	53-103/27
84-74-2	Di-n-butyl phthalate	410 U		2080	1340	64	1320	62	2	55-104/22
117-84-0	Di-n-octyl phthalate	410 U		2080	1430	69	1400	66	2	61-115/24
84-66-2	Diethyl phthalate	410 U		2080	1400	67	1350	63	4	54-104/22
131-11-3	Dimethyl phthalate	410 U		2080	1320	63	1280	60	3	55-100/22
117-81-7	bis(2-Ethylhexyl)phthalate	410 U		2080	1490	72	1360	64	9	56-110/25
206-44-0	Fluoranthene	253		2080	1710	70	2020	83	17	52-109/28
86-73-7	Fluorene	210 U		2080	1410	68	1380	65	2	55-99/26
118-74-1	Hexachlorobenzene	210 U		2080	1220	59	1210	57	1	57-99/23
87-68-3	Hexachlorobutadiene	210 U		2080	1090	52	983	46	10	36-97/35
77-47-4	Hexachlorocyclopentadiene	210 U		2080	421	20	312	15	30	10-88/50
67-72-1	Hexachloroethane	210 U		2080	930	45	840	39	10	22-90/41
193-39-5	Indeno(1,2,3-cd)pyrene	107	I	2080	1460	65	1540	67	5	53-108/29
78-59-1	Isophorone	210 U		2080	1350	65	1240	58	8	46-99/26
91-57-6	2-Methylnaphthalene	210 U		2080	1350	65	1320	62	2	45-104/28
88-74-4	2-Nitroaniline	410 U		2080	1400	67	1410	66	1	51-104/23
99-09-2	3-Nitroaniline	410 U		2080	1130	54	1110	52	2	30-94/31
100-01-6	4-Nitroaniline	410 U		2080	1210	58	1200	56	1	39-100/27
91-20-3	Naphthalene	210 U		2080	1250	60	1150	54	8	44-94/31
98-95-3	Nitrobenzene	210 U		2080	1270	61	1150	54	10	43-97/29
621-64-7	N-Nitroso-di-n-propylamine	210 U		2080	1300	62	1190	56	9	40-98/27
86-30-6	N-Nitrosodiphenylamine	210 U		2080	1250	60	1240	58	1	55-104/22
85-01-8	Phenanthrene	106	I	2080	1490	67	1690	74	13	53-106/26
129-00-0	Pyrene	198	I	2080	1610	68	1750	73	8	55-111/30
120-82-1	1,2,4-Trichlorobenzene	210 U		2080	1160	56	1070	50	8	41-95/32

CAS No.	Surrogate Recoveries	MS	MSD	F44495-11	Limits
367-12-4	2-Fluorophenol	65%	61%	61%	45-114%
4165-62-2	Phenol-d5	68%	66%	62%	44-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18200-MS	R05391.D	1	10/20/06	NJ	10/18/06	OP18200	SR257
OP18200-MSD	R05392.D	1	10/20/06	NJ	10/18/06	OP18200	SR257
F44495-11	R05390.D	1	10/20/06	NJ	10/18/06	OP18200	SR257

The QC reported here applies to the following samples: Method: SW846 8270C

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Surrogate Recoveries	MS	MSD	F44495-11	Limits
118-79-6	2,4,6-Tribromophenol	62%	61%	60%	50-128%
4165-60-0	Nitrobenzene-d5	60%	55%	56%	41-123%
321-60-8	2-Fluorobiphenyl	59%	57%	57%	46-122%
1718-51-0	Terphenyl-d14	63%	59%	59%	45-135%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1405-MB	UV024418.D	1	10/18/06	MM	n/a	n/a	GUV1405

The QC reported here applies to the following samples: Method: MADEP VPH

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	3800	2000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2800	1500	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	1000	510	ug/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	BFB	95%	70-130%
460-00-4	BFB	93%	70-130%

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1405-BS	UV024417.D	1	10/18/06	MM	n/a	n/a	GUV1405

The QC reported here applies to the following samples: Method: MADEP VPH

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	C5- C8 Aliphatics (Unadj.)	25000	27400	110	70-130
	C9- C12 Aliphatics (Unadj.)	25000	26900	108	70-130
	C9- C10 Aromatics (Unadj.)	4160	4700	113	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	BFB	106%	70-130%
460-00-4	BFB	101%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44498-1AMS	UV024431.D	1	10/18/06	MM	n/a	n/a	GUV1405
F44498-1AMSD	UV024432.D	1	10/18/06	MM	n/a	n/a	GUV1405
F44498-1A	UV024419.D	1	10/18/06	MM	n/a	n/a	GUV1405

The QC reported here applies to the following samples: Method: MADEP VPH

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	F44498-1A ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	C5- C8 Aliphatics (Unadj.)	ND		35700	35900	100	32700	91	9	70-130/50
	C9- C12 Aliphatics (Unadj.)	ND		35700	35400	99	32600	91	8	70-130/50
	C9- C10 Aromatics (Unadj.)	ND		5960	6190	104	5980	100	3	70-130/50

CAS No.	Surrogate Recoveries	MS	MSD	F44498-1A	Limits
460-00-4	BFB	79%	76%	80%	70-130%
460-00-4	BFB	77%	75%	78%	70-130%

Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44498-2ADUP	UV024430.D	1	10/18/06	MM	n/a	n/a	GUV1405
F44498-2A	UV024420.D	1	10/18/06	MM	n/a	n/a	GUV1405

The QC reported here applies to the following samples: Method: MADEP VPH

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	F44498-2A ug/kg	Q	DUP ug/kg	Q	RPD	Limits
	C5- C8 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C12 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C10 Aromatics (Unadj.)	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F44498-2A	Limits
460-00-4	BFB	67%*	71%	70-130%
460-00-4	BFB	67%*	70%	70-130%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18207-MB	ZF22011.D	1	10/23/06	AA	10/18/06	OP18207	GZF1025

The QC reported here applies to the following samples: Method: MADEP-EPH-98-1

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	6700	6700	ug/kg	
	C9-C18 Aliphatics	ND	6700	6700	ug/kg	
	C19-C36 Aliphatics	ND	6700	6700	ug/kg	

CAS No.	Surrogate Recoveries		Limits
3386-33-2	1-Chlorooctadecane	78%	40-140%
580-13-2	2-Bromonaphthalene	62%	40-140%
84-15-1	o-Terphenyl	78%	40-140%
321-60-8	2-Fluorobiphenyl	85%	40-140%

Method Blank Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18207-MB	ZF22023.D	1	10/25/06	ME	10/18/06	OP18207	GZF1026

The QC reported here applies to the following samples: Method: MADEP-EPH-98-1

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	6700	6700	ug/kg	
	C9-C18 Aliphatics	ND	6700	6700	ug/kg	
	C19-C36 Aliphatics	ND	6700	6700	ug/kg	

CAS No.	Surrogate Recoveries		Limits
3386-33-2	1-Chlorooctadecane	77%	40-140%
580-13-2	2-Bromonaphthalene	62%	40-140%
84-15-1	o-Terphenyl	77%	40-140%
321-60-8	2-Fluorobiphenyl	84%	40-140%

Blank Spike Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18207-BS	ZF22010.D	1	10/23/06	AA	10/18/06	OP18207	GZF1025

The QC reported here applies to the following samples: Method: MADEP-EPH-98-1

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	C11-C22 Aromatics (Unadj.)	28300	22200	78	40-140
	C9-C18 Aliphatics	10000	9540	95	40-140
	C19-C36 Aliphatics	13300	12500	94	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
3386-33-2	1-Chlorooctadecane	79%	40-140%
580-13-2	2-Bromonaphthalene	60%	40-140%
84-15-1	o-Terphenyl	77%	40-140%
321-60-8	2-Fluorobiphenyl	80%	40-140%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18207-MS	ZF22028.D	40	10/25/06	ME	10/18/06	OP18207	GZF1026
OP18207-MSD	ZF22029.D	40	10/25/06	ME	10/18/06	OP18207	GZF1026
F44516-5	ZF22027.D	50	10/25/06	ME	10/18/06	OP18207	GZF1026

The QC reported here applies to the following samples: Method: MADEP-EPH-98-1

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	F44516-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	C11-C22 Aromatics (Unadj.)	1920000		30700	862000	-3446*	[a]1090000	-2677*	[a]23	40-140/50
	C9-C18 Aliphatics	2470000		10800	1500000	-8952*	[a]2060000	-3747*	[a]31	40-140/50
	C19-C36 Aliphatics	672000		14400	444000	-1578*	[a]568000	-713*	[a] 25	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	F44516-5	Limits
3386-33-2	1-Chlorooctadecane	0%* [b]	0%* [b]	0%* [b]	40-140%
580-13-2	2-Bromonaphthalene	0%* [b]	0%* [b]	0%* [b]	40-140%
84-15-1	o-Terphenyl	0%* [b]	0%* [b]	0%* [b]	40-140%
321-60-8	2-Fluorobiphenyl	0%* [b]	0%* [b]	0%* [b]	40-140%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Outside control limits due to dilution.

Duplicate Summary

Job Number: F44516
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18207-DUP	ZF22026.D	40	10/25/06	ME	10/18/06	OP18207	GZF1026
F44516-4	ZF22025.D	40	10/25/06	ME	10/18/06	OP18207	GZF1026

The QC reported here applies to the following samples: Method: MADEP-EPH-98-1

F44516-1, F44516-2, F44516-3, F44516-4, F44516-5

CAS No.	Compound	F44516-4 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
	C11-C22 Aromatics (Unadj.)	1270000		1690000		28	
	C9-C18 Aliphatics	2240000		2100000		6	
	C19-C36 Aliphatics	636000		608000		5	

CAS No.	Surrogate Recoveries	DUP	F44516-4	Limits
3386-33-2	1-Chlorooctadecane	0%* [a]	0%* [a]	40-140%
580-13-2	2-Bromonaphthalene	0%* [a]	0%* [a]	40-140%
84-15-1	o-Terphenyl	0%* [a]	0%* [a]	40-140%
321-60-8	2-Fluorobiphenyl	0%* [a]	0%* [a]	40-140%

(a) Outside control limits due to dilution.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/06/06

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-TT-49

109972

Accutest Job Number: F44810

Sampling Date: 10/27/06

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **44**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Table of Contents

Sections: 1 2 3 4 5 6

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **4**
2.1: F44810-1: TT-021 5
2.2: F44810-1A: TT-021 6
2.3: F44810-2: TRIP BLANK 12
Section 3: Misc. Forms **14**
3.1: Chain of Custody 15
Section 4: GC/MS Volatiles - QC Data Summaries **17**
4.1: Method Blank Summary 18
4.2: Blank Spike Summary 22
4.3: Matrix Spike/Matrix Spike Duplicate Summary 26
Section 5: GC/MS Semi-volatiles - QC Data Summaries **30**
5.1: Method Blank Summary 31
5.2: Blank Spike Summary 34
Section 6: GC Volatiles - QC Data Summaries **37**
6.1: Method Blank Summary 38
6.2: Blank Spike Summary 40
6.3: Matrix Spike/Matrix Spike Duplicate Summary 42
6.4: Duplicate Summary 44

Sample Summary

Shaw E & I, Inc.

Job No: F44810

Camp Lejeune-TT-49
Project No: 109972

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F44810-1	10/27/06	15:45	MM	10/28/06	SO	Soil	TT-021
F44810-1A	10/27/06	15:45	MM	10/28/06	SO	Soil	TT-021
F44810-2	10/27/06	00:00	MM	10/28/06	AQ	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-021		
Lab Sample ID:	F44810-1	**Date Sampled:**	10/27/06
Matrix:	SO - Soil	**Date Received:**	10/28/06
Method:	SW846 8015	**Percent Solids:**	78.0
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD072600.D	1	10/31/06	MM	n/a	n/a	GCD3003
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		62-135%
98-08-8	aaa-Trifluorotoluene	78%		65-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-021		
Lab Sample ID:	F44810-1A	**Date Sampled:**	10/27/06
Matrix:	SO - Soil	**Date Received:**	10/28/06
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.0
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0040941.D	1	11/01/06	SH	10/28/06 11:10	n/a	VG1572
Run #2							

	Initial Weight
Run #1	5.60 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	57	29	ug/kg	
71-43-2	Benzene	ND	5.7	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	2.3	ug/kg	
75-25-2	Bromoform	ND	5.7	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.7	3.4	ug/kg	
67-66-3	Chloroform	ND	5.7	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	2.3	ug/kg	
591-78-6	2-Hexanone	ND	29	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	11	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
75-09-2	Methylene chloride	ND	11	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	11	ug/kg	
100-42-5	Styrene	ND	5.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	2.3	ug/kg	
108-88-3	Toluene	ND	5.7	2.3	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-021		
Lab Sample ID:	F44810-1A	**Date Sampled:**	10/27/06
Matrix:	SO - Soil	**Date Received:**	10/28/06
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.0
Project:	Camp Lejeune-TT-49		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	17	5.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		78-123%
2037-26-5	Toluene-D8	87%		71-137%
460-00-4	4-Bromofluorobenzene	95%		61-157%
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-021		
Lab Sample ID:	F44810-1A	**Date Sampled:**	10/27/06
Matrix:	SO - Soil	**Date Received:**	10/28/06
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	78.0
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L034631.D	1	11/06/06	NJ	11/03/06	OP18404	SL1780
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	430	ug/kg	
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	43	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	43	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	430	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	430	85	ug/kg	
95-48-7	2-Methylphenol	ND	210	43	ug/kg	
	3&4-Methylphenol	ND	210	43	ug/kg	
88-75-5	2-Nitrophenol	ND	210	43	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	430	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	430	ug/kg	
108-95-2	Phenol	ND	210	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	43	ug/kg	
83-32-9	Acenaphthene	ND	210	43	ug/kg	
208-96-8	Acenaphthylene	ND	210	43	ug/kg	
120-12-7	Anthracene	ND	210	43	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	43	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	43	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	43	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	85	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	43	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	43	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	430	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	43	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	43	ug/kg	
106-47-8	4-Chloroaniline	ND	430	170	ug/kg	
86-74-8	Carbazole	ND	210	43	ug/kg	
218-01-9	Chrysene	ND	210	43	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	210	43	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	85	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-021		
Lab Sample ID:	F44810-1A	**Date Sampled:**	10/27/06
Matrix:	SO - Soil	**Date Received:**	10/28/06
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	78.0
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	43	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	43	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	43	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	43	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	85	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	85	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	430	210	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	85	ug/kg	
132-64-9	Dibenzofuran	ND	210	43	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	430	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	430	210	ug/kg	
84-66-2	Diethyl phthalate	ND	430	110	ug/kg	
131-11-3	Dimethyl phthalate	ND	430	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	430	210	ug/kg	
206-44-0	Fluoranthene	ND	210	43	ug/kg	
86-73-7	Fluorene	ND	210	43	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	43	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	85	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	85	ug/kg	
67-72-1	Hexachloroethane	ND	210	85	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	85	ug/kg	
78-59-1	Isophorone	ND	210	43	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	43	ug/kg	
88-74-4	2-Nitroaniline	ND	430	110	ug/kg	
99-09-2	3-Nitroaniline	ND	430	110	ug/kg	
100-01-6	4-Nitroaniline	ND	430	150	ug/kg	
91-20-3	Naphthalene	ND	210	43	ug/kg	
98-95-3	Nitrobenzene	ND	210	43	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	85	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	43	ug/kg	
85-01-8	Phenanthrene	ND	210	43	ug/kg	
129-00-0	Pyrene	ND	210	85	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		45-114%
4165-62-2	Phenol-d5	64%		44-124%
118-79-6	2,4,6-Tribromophenol	66%		50-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-021		
Lab Sample ID:	F44810-1A	**Date Sampled:**	10/27/06
Matrix:	SO - Soil	**Date Received:**	10/28/06
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	78.0
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		41-123%
321-60-8	2-Fluorobiphenyl	58%		46-122%
1718-51-0	Terphenyl-d14	71%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-021		
Lab Sample ID:	F44810-1A	**Date Sampled:**	10/27/06
Matrix:	SO - Soil	**Date Received:**	10/28/06
Method:	MADEP VPH	**Percent Solids:**	78.0
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV024670.D	1	11/01/06	MM	n/a	n/a	GUV1417
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.67 g	5.1 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	4300	2300	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	3200	1700	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	1200	580	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	71%		70-130%
460-00-4	BFB	70%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F44810-2	**Date Sampled:**	10/27/06
Matrix:	AQ - Trip Blank Soil	**Date Received:**	10/28/06
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J025845.D	1	11/02/06	AB	n/a	n/a	VJ1060
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F44810-2	**Date Sampled:**	10/27/06
Matrix:	AQ - Trip Blank Soil	**Date Received:**	10/28/06
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-TT-49		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		86-115%
17060-07-0	1,2-Dichloroethane-D4	121%		73-126%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	109%		83-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F44810

COC Number:
109972-TT-102706

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
109972	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	8260	8270	MADEP EPH	MADEP VPH	DRO/GRO									
1	TT-021	10/27/06	15:45		X	TT Tank 3 East Wall	8	X	X	X	X	X									
2	TT Trip Blank	10/27/06	—		X	Trip Blank	2	X													
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 2		Fed EX 8571 0349 9955	10/27/06	16:00	EPH/VPH 8260, 8270-7 Day TAT
2				10/28/06	900	DRO/GRO 48 Hr TAT
3						

2.4

F44810: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F44810 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 10/28/06 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8581 0349 9955

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 4

NUMBER OF 5035 FIELD KITS ? 2

NUMBER OR LAB FILTERED METALS ? 2

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 10/28/06 TECHNICIAN SIGNATURE/DATE: ASBD 10/03/06

3.1 3

F44810: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1572-MB	G0040938.D	1	11/01/06	SH	n/a	n/a	VG1572

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	15	5.0	ug/kg	

Method Blank Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1572-MB	G0040938.D	1	11/01/06	SH	n/a	n/a	VG1572

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-1A

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	78-123%
2037-26-5	Toluene-D8	91%	71-137%
460-00-4	4-Bromofluorobenzene	97%	61-157%
17060-07-0	1,2-Dichloroethane-D4	98%	74-125%

Method Blank Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ1060-MB	J025829.D	1	11/02/06	AB	n/a	n/a	VJ1060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

Method Blank Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ1060-MB	J025829.D	1	11/02/06	AB	n/a	n/a	VJ1060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	86-115%
17060-07-0	1,2-Dichloroethane-D4	113%	73-126%
2037-26-5	Toluene-D8	95%	86-112%
460-00-4	4-Bromofluorobenzene	99%	83-119%

Blank Spike Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1572-BS	G0040937.D	1	11/01/06	SH	n/a	n/a	VG1572

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-1A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	232	93	51-136
71-43-2	Benzene	50	50.1	100	74-124
75-27-4	Bromodichloromethane	50	49.2	98	74-124
75-25-2	Bromoform	50	50.1	100	79-127
108-90-7	Chlorobenzene	50	51.3	103	78-117
75-00-3	Chloroethane	50	60.5	121	63-147
67-66-3	Chloroform	50	51.5	103	75-121
75-15-0	Carbon disulfide	50	37.9	76	59-148
56-23-5	Carbon tetrachloride	50	51.1	102	67-131
75-34-3	1,1-Dichloroethane	50	50.5	101	71-118
75-35-4	1,1-Dichloroethylene	50	43.9	88	64-126
107-06-2	1,2-Dichloroethane	50	51.3	103	72-120
78-87-5	1,2-Dichloropropane	50	51.0	102	74-126
124-48-1	Dibromochloromethane	50	49.2	98	78-120
156-59-2	cis-1,2-Dichloroethylene	50	47.9	96	75-124
10061-01-5	cis-1,3-Dichloropropene	50	52.7	105	72-120
156-60-5	trans-1,2-Dichloroethylene	50	48.2	96	70-122
10061-02-6	trans-1,3-Dichloropropene	50	55.4	111	75-118
100-41-4	Ethylbenzene	50	50.2	100	77-120
591-78-6	2-Hexanone	250	240	96	68-136
108-10-1	4-Methyl-2-pentanone	250	235	94	69-136
74-83-9	Methyl bromide	50	48.6	97	52-156
74-87-3	Methyl chloride	50	60.9	122	63-142
75-09-2	Methylene chloride	50	50.1	100	51-142
78-93-3	Methyl ethyl ketone	250	239	96	63-138
100-42-5	Styrene	50	50.5	101	74-120
71-55-6	1,1,1-Trichloroethane	50	52.3	105	70-131
79-34-5	1,1,2,2-Tetrachloroethane	50	53.0	106	76-121
79-00-5	1,1,2-Trichloroethane	50	48.4	97	77-118
127-18-4	Tetrachloroethylene	50	53.7	107	68-127
108-88-3	Toluene	50	49.5	99	74-118
79-01-6	Trichloroethylene	50	52.2	104	72-122
75-01-4	Vinyl chloride	50	45.7	91	64-144
1330-20-7	Xylene (total)	150	154	103	78-122

Blank Spike Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG1572-BS	G0040937.D	1	11/01/06	SH	n/a	n/a	VG1572

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-1A

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	78-123%
2037-26-5	Toluene-D8	96%	71-137%
460-00-4	4-Bromofluorobenzene	104%	61-157%
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%

Blank Spike Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ1060-BS	J025828.D	1	11/02/06	AB	n/a	n/a	VJ1060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	115	92	44-142
71-43-2	Benzene	25	30.0	120	80-120
75-27-4	Bromodichloromethane	25	26.0	104	75-120
75-25-2	Bromoform	25	26.6	106	60-129
108-90-7	Chlorobenzene	25	26.4	106	82-112
75-00-3	Chloroethane	25	31.2	125	67-148
67-66-3	Chloroform	25	27.2	109	78-118
75-15-0	Carbon disulfide	25	19.0	76	65-147
56-23-5	Carbon tetrachloride	25	29.7	119	69-137
75-34-3	1,1-Dichloroethane	25	25.3	101	75-117
75-35-4	1,1-Dichloroethylene	25	28.2	113	67-134
107-06-2	1,2-Dichloroethane	25	27.2	109	68-121
78-87-5	1,2-Dichloropropane	25	24.9	100	78-122
124-48-1	Dibromochloromethane	25	30.6	122*	68-118
156-59-2	cis-1,2-Dichloroethylene	25	23.3	93	81-120
10061-01-5	cis-1,3-Dichloropropene	25	26.1	104	73-115
156-60-5	trans-1,2-Dichloroethylene	25	24.4	98	74-125
10061-02-6	trans-1,3-Dichloropropene	25	28.3	113	69-115
100-41-4	Ethylbenzene	25	26.3	105	82-115
591-78-6	2-Hexanone	125	133	106	60-125
108-10-1	4-Methyl-2-pentanone	125	116	93	61-128
74-83-9	Methyl bromide	25	31.0	124	60-165
74-87-3	Methyl chloride	25	28.3	113	58-152
75-09-2	Methylene chloride	25	25.9	104	66-125
78-93-3	Methyl ethyl ketone	125	111	89	58-127
100-42-5	Styrene	25	27.3	109	58-125
71-55-6	1,1,1-Trichloroethane	25	28.8	115	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	24.2	97	67-119
79-00-5	1,1,2-Trichloroethane	25	25.2	101	74-115
127-18-4	Tetrachloroethylene	25	25.8	103	75-126
108-88-3	Toluene	25	25.7	103	81-114
79-01-6	Trichloroethylene	25	26.8	107	80-115
75-01-4	Vinyl chloride	25	24.9	100	70-151
1330-20-7	Xylene (total)	75	83.4	111	81-118

Blank Spike Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ1060-BS	J025828.D	1	11/02/06	AB	n/a	n/a	VJ1060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	109%	73-126%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	98%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44810-1AMS	G0040944.D	1	11/01/06	SH	n/a	n/a	VG1572
F44810-1AMSD	G0040945.D	1	11/01/06	SH	n/a	n/a	VG1572
F44810-1A	G0040941.D	1	11/01/06	SH	n/a	n/a	VG1572

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-1A

CAS No.	Compound	F44810-1A ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		291	155	53	157	58	1	14-140/33
71-43-2	Benzene	ND		58.3	55.1	95	56.2	103	2	63-135/23
75-27-4	Bromodichloromethane	ND		58.3	51.6	89	52.2	96	1	63-126/23
75-25-2	Bromoform	ND		58.3	42.8	73	43.4	80	1	54-109/24
108-90-7	Chlorobenzene	ND		58.3	55.3	95	55.9	103	1	64-130/24
75-00-3	Chloroethane	ND		58.3	69.7	120	72.0	132	3	53-172/28
67-66-3	Chloroform	ND		58.3	57.5	99	58.4	107	2	68-131/24
75-15-0	Carbon disulfide	ND		58.3	43.3	74	43.5	80	0	47-165/29
56-23-5	Carbon tetrachloride	ND		58.3	56.0	96	56.5	104	1	64-148/24
75-34-3	1,1-Dichloroethane	ND		58.3	56.7	97	57.6	106	2	64-130/25
75-35-4	1,1-Dichloroethylene	ND		58.3	49.3	85	51.6	95	5	55-149/28
107-06-2	1,2-Dichloroethane	ND		58.3	49.3	85	49.1	90	0	60-114/22
78-87-5	1,2-Dichloropropane	ND		58.3	55.2	95	54.6	100	1	65-128/23
124-48-1	Dibromochloromethane	ND		58.3	49.4	85	48.5	89	2	60-119/23
156-59-2	cis-1,2-Dichloroethylene	ND		58.3	53.1	91	53.7	99	1	66-132/24
10061-01-5	cis-1,3-Dichloropropene	ND		58.3	54.5	94	53.7	99	1	57-118/25
156-60-5	trans-1,2-Dichloroethylene	ND		58.3	55.0	94	55.6	102	1	63-137/27
10061-02-6	trans-1,3-Dichloropropene	ND		58.3	54.3	93	53.2	98	2	58-115/25
100-41-4	Ethylbenzene	ND		58.3	54.8	94	56.1	103	2	63-142/25
591-78-6	2-Hexanone	ND		291	167	57	158	58	6	35-109/34
108-10-1	4-Methyl-2-pentanone	ND		291	173	59	164	60	5	44-99/32
74-83-9	Methyl bromide	ND		58.3	81.2	139	84.7	155	4	38-188/27
74-87-3	Methyl chloride	ND		58.3	69.2	119	70.7	130	2	57-160/29
75-09-2	Methylene chloride	ND		58.3	55.3	95	56.8	104	3	40-183/34
78-93-3	Methyl ethyl ketone	ND		291	159	55	151	55	5	27-112/32
100-42-5	Styrene	ND		58.3	53.1	91	54.0	99	2	54-130/26
71-55-6	1,1,1-Trichloroethane	ND		58.3	58.8	101	61.3	112	4	70-149/25
79-34-5	1,1,2,2-Tetrachloroethane	ND		58.3	45.1	77	44.4	81	2	45-121/33
79-00-5	1,1,2-Trichloroethane	ND		58.3	46.7	80	45.1	83	3	60-114/25
127-18-4	Tetrachloroethylene	ND		58.3	51.4	88	51.2	94	0	54-154/27
108-88-3	Toluene	ND		58.3	56.0	96	56.4	103	1	62-142/29
79-01-6	Trichloroethylene	ND		58.3	56.7	97	57.4	105	1	59-143/25
75-01-4	Vinyl chloride	ND		58.3	52.1	89	53.9	99	3	64-165/27
1330-20-7	Xylene (total)	ND		175	170	97	171	105	1	64-142/24

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44810-1AMS	G0040944.D	1	11/01/06	SH	n/a	n/a	VG1572
F44810-1AMSD	G0040945.D	1	11/01/06	SH	n/a	n/a	VG1572
F44810-1A	G0040941.D	1	11/01/06	SH	n/a	n/a	VG1572

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-1A

CAS No.	Surrogate Recoveries	MS	MSD	F44810-1A	Limits
1868-53-7	Dibromofluoromethane	98%	98%	101%	78-123%
2037-26-5	Toluene-D8	98%	97%	87%	71-137%
460-00-4	4-Bromofluorobenzene	96%	98%	95%	61-157%
17060-07-0	1,2-Dichloroethane-D4	92%	87%	103%	74-125%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44896-2MS	J025840.D	1	11/02/06	AB	n/a	n/a	VJ1060
F44896-2MSD	J025841.D	1	11/02/06	AB	n/a	n/a	VJ1060
F44896-2	J025832.D	1	11/02/06	AB	n/a	n/a	VJ1060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-2

CAS No.	Compound	F44896-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	136	109	124	99	9	45-127/15
71-43-2	Benzene	1.0 U		25	30.2	121	28.9	116	4	72-125/7
75-27-4	Bromodichloromethane	1.0 U		25	26.8	107	25.9	104	3	72-120/8
75-25-2	Bromoform	1.0 U		25	25.9	104	25.3	101	2	55-127/11
108-90-7	Chlorobenzene	1.0 U		25	26.0	104	25.3	101	3	79-113/7
75-00-3	Chloroethane	2.0 U		25	33.6	134	32.3	129	4	56-164/14
67-66-3	Chloroform	1.0 U		25	27.3	109	26.5	106	3	75-120/8
75-15-0	Carbon disulfide	2.0 U		25	20.1	80	18.9	76	6	60-151/12
56-23-5	Carbon tetrachloride	1.0 U		25	28.7	115	27.8	111	3	56-145/12
75-34-3	1,1-Dichloroethane	1.0 U		25	26.8	107	25.8	103	4	70-122/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	30.5	122	28.9	116	5	61-137/15
107-06-2	1,2-Dichloroethane	1.0 U		25	29.3	117	27.5	110	6	64-124/7
78-87-5	1,2-Dichloropropane	1.0 U		25	27.2	109	25.5	102	6	74-123/8
124-48-1	Dibromochloromethane	1.0 U		25	30.3	121*	29.9	120*	1	63-119/9
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	23.5	94	23.3	93	1	74-125/9
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	26.1	104	24.9	100	5	65-112/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	26.3	105	24.6	98	7	70-127/11
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	28.3	113	28.1	112	1	59-116/11
100-41-4	Ethylbenzene	1.0 U		25	26.7	107	25.8	103	3	73-119/8
591-78-6	2-Hexanone	5.0 U		125	169	135*	158	126	7	54-131/11
108-10-1	4-Methyl-2-pentanone	5.0 U		125	154	123	144	115	7	57-136/11
74-83-9	Methyl bromide	2.0 U		25	30.0	120	29.7	119	1	52-172/16
74-87-3	Methyl chloride	2.0 U		25	39.5	158*	33.1	132	18	53-155/19
75-09-2	Methylene chloride	5.0 U		25	31.2	125	28.7	115	8	61-129/11
78-93-3	Methyl ethyl ketone	5.0 U		125	142	114	129	103	10	51-128/10
100-42-5	Styrene	1.0 U		25	26.8	107	26.0	104	3	64-124/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	28.1	112	27.6	110	2	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	26.5	106	25.2	101	5	64-120/10
79-00-5	1,1,2-Trichloroethane	1.0 U		25	26.3	105	25.3	101	4	72-116/9
127-18-4	Tetrachloroethylene	1.0 U		25	23.2	93	23.1	92	0	70-126/9
108-88-3	Toluene	1.0 U		25	25.9	104	24.9	100	4	67-123/8
79-01-6	Trichloroethylene	1.0 U		25	26.5	106	25.8	103	3	73-117/10
75-01-4	Vinyl chloride	1.0 U		25	29.2	117	25.6	102	13	63-161/18
1330-20-7	Xylene (total)	3.0 U		75	85.1	113	81.6	109	4	73-122/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44896-2MS	J025840.D	1	11/02/06	AB	n/a	n/a	VJ1060
F44896-2MSD	J025841.D	1	11/02/06	AB	n/a	n/a	VJ1060
F44896-2	J025832.D	1	11/02/06	AB	n/a	n/a	VJ1060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F44810-2

CAS No.	Surrogate Recoveries	MS	MSD	F44896-2	Limits
1868-53-7	Dibromofluoromethane	103%	103%	108%	86-115%
17060-07-0	1,2-Dichloroethane-D4	117%	115%	118%	73-126%
2037-26-5	Toluene-D8	100%	101%	95%	86-112%
460-00-4	4-Bromofluorobenzene	104%	103%	108%	83-119%

GC/MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18404-MB	L034629.D	1	11/06/06	NJ	11/03/06	OP18404	SL1780

The QC reported here applies to the following samples: **Method:** SW846 8270C

F44810-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
86-74-8	Carbazole	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18404-MB	L034629.D	1	11/06/06	NJ	11/03/06	OP18404	SL1780

The QC reported here applies to the following samples: **Method:** SW846 8270C

F44810-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	67%	45-114%
4165-62-2	Phenol-d5	68%	44-124%

Method Blank Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18404-MB	L034629.D	1	11/06/06	NJ	11/03/06	OP18404	SL1780

The QC reported here applies to the following samples: **Method:** SW846 8270C

F44810-1A

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	69%	50-128%
4165-60-0	Nitrobenzene-d5	65%	41-123%
321-60-8	2-Fluorobiphenyl	62%	46-122%
1718-51-0	Terphenyl-d14	75%	45-135%

Blank Spike Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18404-BS	L034628.D	1	11/06/06	NJ	11/03/06	OP18404	SL1780

The QC reported here applies to the following samples: **Method:** SW846 8270C

F44810-1A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	3330	2410	72	48-121
95-57-8	2-Chlorophenol	1670	1110	67	61-101
59-50-7	4-Chloro-3-methyl phenol	1670	1150	69	63-107
120-83-2	2,4-Dichlorophenol	1670	1150	69	65-106
105-67-9	2,4-Dimethylphenol	1670	938	56	53-96
51-28-5	2,4-Dinitrophenol	3330	2130	64	42-122
534-52-1	4,6-Dinitro-o-cresol	3330	2620	79	60-122
95-48-7	2-Methylphenol	1670	1090	65	58-98
	3&4-Methylphenol	3330	2130	64	58-99
88-75-5	2-Nitrophenol	1670	1120	67	59-103
100-02-7	4-Nitrophenol	3330	2350	71	66-111
87-86-5	Pentachlorophenol	3330	2240	67	58-120
108-95-2	Phenol	1670	1210	73	59-104
95-95-4	2,4,5-Trichlorophenol	1670	1160	70	65-105
88-06-2	2,4,6-Trichlorophenol	1670	1150	69	66-106
83-32-9	Acenaphthene	1670	1120	67	63-100
208-96-8	Acenaphthylene	1670	1130	68	62-100
120-12-7	Anthracene	1670	1230	74	67-104
56-55-3	Benzo(a)anthracene	1670	1250	75	66-107
50-32-8	Benzo(a)pyrene	1670	1240	74	63-106
205-99-2	Benzo(b)fluoranthene	1670	1250	75	65-110
191-24-2	Benzo(g,h,i)perylene	1670	1260	76	60-107
207-08-9	Benzo(k)fluoranthene	1670	1260	76	66-111
101-55-3	4-Bromophenyl phenyl ether	1670	1200	72	66-108
85-68-7	Butyl benzyl phthalate	1670	1240	74	62-112
100-51-6	Benzyl Alcohol	1670	1070	64	60-103
91-58-7	2-Chloronaphthalene	1670	1100	66	62-98
106-47-8	4-Chloroaniline	1670	736	44	20-87
86-74-8	Carbazole	1670	1230	74	65-108
218-01-9	Chrysene	1670	1270	76	66-107
111-91-1	bis(2-Chloroethoxy)methane	1670	998	60	54-98
111-44-4	bis(2-Chloroethyl)ether	1670	1080	65	57-103
108-60-1	bis(2-Chloroisopropyl)ether	1670	1030	62	48-102
7005-72-3	4-Chlorophenyl phenyl ether	1670	1130	68	65-106
95-50-1	1,2-Dichlorobenzene	1670	1040	62	50-97
541-73-1	1,3-Dichlorobenzene	1670	964	58	46-94

Blank Spike Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18404-BS	L034628.D	1	11/06/06	NJ	11/03/06	OP18404	SL1780

The QC reported here applies to the following samples: **Method:** SW846 8270C

F44810-1A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	1670	994	60	47-95
121-14-2	2,4-Dinitrotoluene	1670	1230	74	60-107
606-20-2	2,6-Dinitrotoluene	1670	1140	68	59-103
91-94-1	3,3'-Dichlorobenzidine	1670	964	58	32-91
53-70-3	Dibenzo(a,h)anthracene	1670	1240	74	59-108
132-64-9	Dibenzofuran	1670	1110	67	64-103
84-74-2	Di-n-butyl phthalate	1670	1180	71	64-109
117-84-0	Di-n-octyl phthalate	1670	1320	79	64-123
84-66-2	Diethyl phthalate	1670	1170	70	61-112
131-11-3	Dimethyl phthalate	1670	1190	71	63-107
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1240	74	62-114
206-44-0	Fluoranthene	1670	1230	74	64-110
86-73-7	Fluorene	1670	1170	70	63-102
118-74-1	Hexachlorobenzene	1670	1150	69	64-104
87-68-3	Hexachlorobutadiene	1670	1030	62	56-99
77-47-4	Hexachlorocyclopentadiene	1670	1050	63	32-93
67-72-1	Hexachloroethane	1670	976	59	47-96
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1270	76	60-110
78-59-1	Isophorone	1670	1090	65	60-100
91-57-6	2-Methylnaphthalene	1670	1100	66	60-104
88-74-4	2-Nitroaniline	1670	1170	70	61-105
99-09-2	3-Nitroaniline	1670	877	53	34-84
100-01-6	4-Nitroaniline	1670	1180	71	53-105
91-20-3	Naphthalene	1670	1070	64	58-96
98-95-3	Nitrobenzene	1670	1060	64	58-98
621-64-7	N-Nitroso-di-n-propylamine	1670	1020	61	54-95
86-30-6	N-Nitrosodiphenylamine	1670	1180	71	66-106
85-01-8	Phenanthrene	1670	1210	73	66-105
129-00-0	Pyrene	1670	1280	77	66-109
120-82-1	1,2,4-Trichlorobenzene	1670	1040	62	58-97

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	65%	45-114%
4165-62-2	Phenol-d5	67%	44-124%

Blank Spike Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18404-BS	L034628.D	1	11/06/06	NJ	11/03/06	OP18404	SL1780

5.2 5

The QC reported here applies to the following samples: **Method:** SW846 8270C

F44810-1A

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	71%	50-128%
4165-60-0	Nitrobenzene-d5	63%	41-123%
321-60-8	2-Fluorobiphenyl	63%	46-122%
1718-51-0	Terphenyl-d14	73%	45-135%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1417-MB	UV024666.D	1	11/01/06	MM	n/a	n/a	GUV1417

The QC reported here applies to the following samples: **Method:** MADEP VPH

F44810-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	3800	2000	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	2800	1500	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	1000	510	ug/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	BFB	97%	70-130%
460-00-4	BFB	95%	70-130%

Method Blank Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3003-MB	CD072595.D	1	10/31/06	MM	n/a	n/a	GCD3003

The QC reported here applies to the following samples: **Method:** SW846 8015

F44810-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	62-135%
98-08-8	aaa-Trifluorotoluene	79%	65-118%

Blank Spike Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1417-BS	UV024665.D	1	11/01/06	MM	n/a	n/a	GUV1417

The QC reported here applies to the following samples: **Method:** MADEP VPH

F44810-1A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	C5- C8 Aliphatics (Unadj.)	25000	20700	83	70-130
	C9- C12 Aliphatics (Unadj.)	25000	25300	101	70-130
	C9- C10 Aromatics (Unadj.)	4160	4500	108	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	BFB	103%	70-130%
460-00-4	BFB	100%	70-130%

6.2
6

Blank Spike Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3003-BS	CD072594.D	1	10/31/06	MM	n/a	n/a	GCD3003

The QC reported here applies to the following samples: **Method:** SW846 8015

F44810-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.8	99	66-122

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	90%	62-135%
98-08-8	aaa-Trifluorotoluene	87%	65-118%

6.2
6

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44753-1MS	UV024671.D	1	11/01/06	MM	n/a	n/a	GUV1417
F44753-1MSD	UV024672.D	1	11/01/06	MM	n/a	n/a	GUV1417
F44753-1	UV024667.D	1	11/01/06	MM	n/a	n/a	GUV1417

The QC reported here applies to the following samples: **Method:** MADEP VPH

F44810-1A

CAS No.	Compound	F44753-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	C5- C8 Aliphatics (Unadj.)	5800	U	37700	34100	91	33500	89	2	70-130/50
	C9- C12 Aliphatics (Unadj.)	4200	U	37700	35400	94	36200	96	2	70-130/50
	C9- C10 Aromatics (Unadj.)	1500	U	6280	6510	104	6520	104	0	70-130/50

CAS No.	Surrogate Recoveries	MS	MSD	F44753-1	Limits
460-00-4	BFB	91%	92%	107%	70-130%
460-00-4	BFB	89%	90%	106%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44782-3MS	CD072620.D	1	10/31/06	MM	n/a	n/a	GCD3003
F44782-3MSD	CD072621.D	1	10/31/06	MM	n/a	n/a	GCD3003
F44782-3	CD072603.D	1	10/31/06	MM	n/a	n/a	GCD3003

The QC reported here applies to the following samples: **Method:** SW846 8015

F44810-1

CAS No.	Compound	F44782-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	6.43		19.4	20.9	75	20.5	73	2	37-142/17

CAS No.	Surrogate Recoveries	MS	MSD	F44782-3	Limits
460-00-4	4-Bromofluorobenzene	86%	94%	83%	62-135%
98-08-8	aaa-Trifluorotoluene	93%	96%	83%	65-118%

Duplicate Summary

Job Number: F44810
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44810-1ADUP	UV024669.D	1	11/01/06	MM	n/a	n/a	GUV1417
F44810-1A	UV024670.D	1	11/01/06	MM	n/a	n/a	GUV1417

The QC reported here applies to the following samples: **Method:** MADEP VPH

F44810-1A

CAS No.	Compound	F44810-1A ug/kg	Q	DUP ug/kg	Q	RPD	Limits
	C5- C8 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C12 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C10 Aromatics (Unadj.)	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F44810-1A	Limits
460-00-4	BFB	69%* [a]	71%	70-130%
460-00-4	BFB	68%* [a]	70%	70-130%

(a) Outside control limits due to matrix interference.

6.4

SGS

Mr. Aaron Ben David
Accutest
4405 Vineland Road
Suite C-15
Orlando FL 32811
Report Number: G383-482

Client Project: F44810

Dear Mr. David:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

11/1/02

Laboratory Director
J. Patrick Weaver

Date

SGS

Results for Total Petroleum Hydrocarbons
by **GC/FID 8015**

Client Sample ID: F44810-1
Client Project ID: F44810
Lab Sample ID: G383-482-1
Lab Project ID: G383-482
Report Basis: Dry Weight

Analyzed By: BWS
Date Collected: 10/27/2006 15:45
Date Received: 10/31/2006
Matrix: Soil
Solids 75.95

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Diesel Range Organics	BQL	8.21	3541	1	11/01/06

Reviewed By:

SGS

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: Accutest

Project Name: F44810

Sample Information and Analytical Results	
Sample Identification	F44810-1
Sample Matrix	Soil
Date Collected	10/27/06
Date Received	10/31/06
Date Extracted	11/02/06
Date Analyzed	11/03/06
Dry Weight	76
Dilution Factor	1
C_9-C_{18} Aliphatics*	< 10 (mg/Kg)
C_{19}-C_{36} Aliphatics*	< 10 (mg/Kg)
C_{11}-C_{22} Aromatics*	< 10 (mg/Kg)
Aliphatic Surrogate % Recovery	64
Aromatic Surrogate % Recovery	55

Comments:

* = Excludes any surrogates or internal standards.
Sample did not require fractionation.

Lab info: G383-482-1C

Reviewed By:

SGS

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/24/06

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	1.00	Linear Regression
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	1.0	Linear Regression
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	0.999	Linear Regression
	85		
	170		
	340		
	680		

Calibration Check Date: 11/03/06

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	1.6
C_{19}-C_{36} Aliphatics	160	0.6
C_{11}-C_{22} Aromatics	340	-10.2

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

SGS

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.030606.3

CHAIN OF CUSTODY

ACCUTEST Laboratories
4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

G383-482

ACCUTEST JOB #:

ACCUTEST QUOTE #:

6 of 6

SGS ENVIRONMENTAL SERVICES, INC.

N.C. CERTIFICATION #481

CLIENT INFORMATION

NAME: Accutest Southeast

ADDRESS:

CITY, STATE, ZIP:

SEND REPORT TO:

PHONE #:

FACILITY INFORMATION

PROJECT NAME: F44810

LOCATION:

PROJECT NO.:

FAX #:

ANALYTICAL INFORMATION

North Carolina EPH

DRO

added per client phone call LL 10-31

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE			
	F44810-1	10/27/06	15:45		SO	1					X	X	X	

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 11/7/06

APPROVED BY: Ron Chris Cornwell

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

Paradigm

ASD

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	1600 10/30/06	1.	2.		2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.	10/31/06 1000	3. Amy DuBarry	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL # ABSENT	PRESERVE WHERE APPLICABLE ☐	ON ICE ☒
5.		5.			TEMPERATURE 2 - C

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-TT-49

109972

Accutest Job Number: F44260

Sampling Date: 10/05/06

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **30**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Table of Contents

Sections: 1 2 3 4 5 6

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **4**
2.1: F44260-1: TT-012 5
Section 3: Misc. Forms **8**
3.1: Chain of Custody 9
Section 4: GC Volatiles - QC Data Summaries **11**
4.1: Method Blank Summary 12
4.2: Blank Spike Summary 13
4.3: Matrix Spike/Matrix Spike Duplicate Summary 14
Section 5: GC Semi-volatiles - QC Data Summaries **15**
5.1: Method Blank Summary 16
5.2: Blank Spike Summary 17
5.3: Matrix Spike/Matrix Spike Duplicate Summary 18
Section 6: Metals Analysis - QC Data Summaries **19**
6.1: Prep QC MP10473: As,Ba,Cd,Cr,Pb,Se,Ag 20
6.2: Prep QC MP10478: Hg 25

Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F44260

Camp Lejeune-TT-49
Project No: 109972

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F44260-1	10/05/06	17:00	MM	10/06/06	SO	Soil	TT-012

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-012		
Lab Sample ID:	F44260-1	Date Sampled:	10/05/06
Matrix:	SO - Soil	Date Received:	10/06/06
Method:	SW846 8015 SW846 5030A	Percent Solids:	81.4
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	HH023437.D	1	10/10/06	AB	10/06/06 15:10	n/a	GHH1063
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.99 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	23.6	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	116% [b]		62-135%
460-00-4	4-Bromofluorobenzene	143%		62-135%
98-08-8	aaa-Trifluorotoluene	93%		65-118%

(a) Sample was received in a bulk container and preserved within 48 hours of sampling.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-012		
Lab Sample ID:	F44260-1	Date Sampled:	10/05/06
Matrix:	SO - Soil	Date Received:	10/06/06
Method:	SW846 8015 M SW846 3550B	Percent Solids:	81.4
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ34664.D	25	10/11/06	AC	10/10/06	OP18118	GIJ1491
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1120	250	150	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-115%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-012		
Lab Sample ID:	F44260-1	Date Sampled:	10/05/06
Matrix:	SO - Soil	Date Received:	10/06/06
		Percent Solids:	81.4
Project:	Camp Lejeune-TT-49		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.0028 U	D004	5.0	0.010	0.0028	mg/l	1	10/10/06	10/11/06	RS	SW846 6010B [1]
Barium	0.20 U	D005	100	1.0	0.20	mg/l	1	10/10/06	10/11/06	RS	SW846 6010B [1]
Cadmium	0.00030 U	D006	1.0	0.0050	0.00030	mg/l	1	10/10/06	10/11/06	RS	SW846 6010B [1]
Chromium	0.0012 B	D007	5.0	0.010	0.00060	mg/l	1	10/10/06	10/11/06	RS	SW846 6010B [1]
Lead	0.0091 B	D008	5.0	0.050	0.0017	mg/l	1	10/10/06	10/11/06	RS	SW846 6010B [1]
Mercury	0.0010 U	D009	0.20	0.010	0.0010	mg/l	1	10/11/06	10/11/06	MS	SW846 7470A [2]
Selenium	0.020 U	D010	1.0	0.050	0.020	mg/l	1	10/10/06	10/11/06	RS	SW846 6010B [1]
Silver	0.00090 U	D011	5.0	0.010	0.00090	mg/l	1	10/10/06	10/11/06	RS	SW846 6010B [1]

(1) Instrument QC Batch: MA5277
(2) Instrument QC Batch: MA5278
(3) Prep QC Batch: MP10473
(4) Prep QC Batch: MP10478

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (40 CFR 261 6/96) B = Indicates a result > = MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

COC Number:
109972-TT-100506

F44260

Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

3.1 3

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390 | Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
109972	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired: DRO/GRO 3550/5030/8015; TCLP Metals

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	DRO/GRO 3550/5030/8015		TCLP Metals
1	TT-012	10/5/06	17:00		X	Stockpile	2	X		X
2										
3										
4										
5										
6										
7										
8										
9										
10										

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1	[signature]	FedEx 8574 8740 2626	10/5/06	16:00	7 DAY TAT
2		[signature]	[signature]	10/6/06	9:00	
3						

1.6

F44260: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F44260 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 10/6/06 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 857487402626

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 2

NUMBER OF 5035 FIELD KITS ? 2

NUMBER OR LAB FILTERED METALS ? 2

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] 10/6/06 TECHNICIAN SIGNATURE/DATE ASBD 10/03/06

3.1 C

F44260: Chain of Custody
Page 2 of 2

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44260
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1063-MB	HH023434.D	1	10/10/06	AB	n/a	n/a	GHH1063

The QC reported here applies to the following samples: Method: SW846 8015

F44260-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	62-135%
98-08-8	aaa-Trifluorotoluene	89%	65-118%

Blank Spike Summary

Job Number: F44260
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1063-BS	HH023433.D	1	10/10/06	AB	n/a	n/a	GHH1063

The QC reported here applies to the following samples: Method: SW846 8015

F44260-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	23.7	119	66-122

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	62-135%
98-08-8	aaa-Trifluorotoluene	96%	65-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44260
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44261-13MS	HH023459.D	1	10/11/06	AB	n/a	n/a	GHH1063
F44261-13MSD	HH023460.D	1	10/11/06	AB	n/a	n/a	GHH1063
F44261-13	HH023452.D	1	10/10/06	AB	n/a	n/a	GHH1063

The QC reported here applies to the following samples: Method: SW846 8015

F44260-1

CAS No.	Compound	F44261-13 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22.1	23.5	107	23.9	108	2	37-142/17

CAS No.	Surrogate Recoveries	MS	MSD	F44261-13	Limits
460-00-4	4-Bromofluorobenzene	101%	99%	89%	62-135%
98-08-8	aaa-Trifluorotoluene	98%	95%	88%	65-118%

GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44260
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18118-MB	IJ34638.D	1	10/11/06	AC	10/10/06	OP18118	GIJ1491

The QC reported here applies to the following samples: Method: SW846 8015 M

F44260-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	93%	57-115%

Blank Spike Summary

Job Number: F44260
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18118-BS	IJ34637.D	1	10/11/06	AC	10/10/06	OP18118	GIJ1491

The QC reported here applies to the following samples: Method: SW846 8015 M

F44260-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	33.3	28.7	86	62-114

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	93%	57-115%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44260
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18118-MS	IJ34645.D	1	10/11/06	AC	10/10/06	OP18118	GIJ1491
OP18118-MSD	IJ34646.D	1	10/11/06	AC	10/10/06	OP18118	GIJ1491
F44261-5	IJ34644.D	1	10/11/06	AC	10/10/06	OP18118	GIJ1491

The QC reported here applies to the following samples: Method: SW846 8015 M

F44260-1

CAS No.	Compound	F44261-5 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	12.8		34.6	36.4	68	31.2	53	15	31-136/36

CAS No.	Surrogate Recoveries	MS	MSD	F44261-5	Limits
84-15-1	o-Terphenyl	91%	91%	89%	57-115%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10473
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:			10/10/06		10/10/06	
Metal	RL	IDL	MB raw	final	MB raw	final
Aluminum	0.20	.018				
Antimony	0.0060	.0034				
Arsenic	0.010	.0028	0.00033	<0.010	-0.0019	<0.010
Barium	1.0	.0004	0.000030	<1.0	0.00023	<1.0
Beryllium	0.0050	.0004				
Cadmium	0.0050	.0002	-0.00016	<0.0050	-0.00032	<0.0050
Calcium	5.0	.042				
Chromium	0.010	.0006	0.0	<0.010	0.0022	<0.010
Cobalt	0.050	.0006				
Copper	0.025	.0009				
Iron	0.30	.012				
Lead	0.050	.0017	0.00041	<0.050	0.0013	<0.050
Magnesium	5.0	.0043				
Manganese	0.015	.0006				
Molybdenum	0.050	.0013				
Nickel	0.040	.0008				
Potassium	10	.01				
Selenium	0.050	.002	-0.00030	<0.050	0.016	<0.050
Silver	0.010	.0009	0.00041	<0.010	0.00010	<0.010
Sodium	10	.5				
Thallium	0.010	.0023				
Tin	0.050	.0031				
Vanadium	0.050	.0006				
Zinc	0.10	.0013				

Associated samples MP10473: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.1.1 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10473
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 10/10/06 10/10/06

Metal	F44225-1 Original	DUP	RPD	QC Limits	F44225-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	0.0	0.0	NC	0-20	0.0	2.0	2.0	100.0	80-120
Barium	0.30	0.31	3.3	0-20	0.30	2.4	2.0	105.0	80-120
Beryllium									
Cadmium	0.0023	0.0023	0.0	0-20	0.0023	0.049	0.050	93.4	80-120
Calcium									
Chromium	0.11	0.12	8.7	0-20	0.11	0.31	0.20	100.0	80-120
Cobalt									
Copper									
Iron									
Lead	0.0	0.0	NC	0-20	0.0	0.49	0.50	98.0	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.0062	0.0072	14.9	0-20	0.0062	2.1	2.0	104.7	80-120
Silver	0.0011	0.0	200.0(a)	0-20	0.0011	0.057	0.050	111.8	80-120
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP10473: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

6.1.2 B

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10473
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 10/10/06

Metal	F44225-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0	2.0	2.0	100.0	0.0	20
Barium	0.30	2.4	2.0	105.0	0.0	20
Beryllium						
Cadmium	0.0023	0.049	0.050	93.4	0.0	20
Calcium						
Chromium	0.11	0.31	0.20	100.0	0.0	20
Cobalt						
Copper						
Iron						
Lead	0.0	0.49	0.50	98.0	0.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.0062	2.1	2.0	104.7	0.0	20
Silver	0.0011	0.057	0.050	111.8	0.0	20
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP10473: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

6.1.2

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10473
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 10/10/06 10/10/06

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	2.0	2.0	100.0	80-120	2.0	2.0	100.0	80-120
Barium	2.0	2.0	100.0	80-120	2.0	2.0	100.0	80-120
Beryllium								
Cadmium	0.051	0.050	102.0	80-120	0.050	0.050	100.0	80-120
Calcium								
Chromium	0.21	0.20	105.0	80-120	0.21	0.20	105.0	80-120
Cobalt								
Copper								
Iron								
Lead	0.50	0.50	100.0	80-120	0.51	0.50	102.0	80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium	2.0	2.0	100.0	80-120	2.1	2.0	105.0	80-120
Silver	0.051	0.050	102.0	80-120	0.056	0.050	112.0	80-120
Sodium								
Thallium								
Tin								
Vanadium								
Zinc								

Associated samples MP10473: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10473
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/10/06

Metal	F44225-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	0.00	0.00	NC	0-10
Barium	304	294	3.2	0-10
Beryllium				
Cadmium	2.32	1.17	49.6 (a)	0-10
Calcium				
Chromium	112	119	5.6	0-10
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	6.20	0.00	100.0(a)	0-10
Silver	1.13	0.00	100.0(a)	0-10
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP10473: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10478
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date:			10/11/06		10/11/06		10/11/06	
Metal	RL	IDL	MB raw	final	MB raw	final	MB raw	final
Mercury	0.0010	.00008	-0.000055	<0.0010	-0.00023	<0.010	-0.00088	<0.010

Associated samples MP10478: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.2.1

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10478
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 10/11/06 10/11/06

Metal	F44225-1 Original	DUP	RPD	QC Limits	F44225-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.031	0.030	103.3	80-120

Associated samples MP10478: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

6.2.2

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10478
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 10/11/06 10/11/06

Metal	F44225-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit	Original DUP	RPD	QC Limits
Mercury	0.0	0.030	0.030	100.0	3.3	20			

Associated samples MP10478: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

6.2.2

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10478
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 10/11/06

Metal	F44312-1A Original	DUP	RPD	QC Limits
Mercury	0.0	0.0	NC	0-20

Associated samples MP10478: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

6.2.2

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10478
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date:		10/11/06				10/11/06		
Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0031	0.0030	103.3	80-120	0.030	0.030	100.0	80-120

Associated samples MP10478: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F44260
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

QC Batch ID: MP10478
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 10/11/06

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.028	0.030	93.3	80-120

Associated samples MP10478: F44260-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

Southeast
ACCUTEST
Laboratories

11/16/06

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-TT-49

109972

Accutest Job Number: F44960

Sampling Date: 11/02/06

Report to:

Shaw E & I, Inc.
500 E. Main Street Suite 1630
Norfolk, VA 23510
natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report:

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F44960

Camp Lejeune-TT-49
Project No: 109972

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F44960-1	11/02/06	15:00	MM	11/03/06	AQ	Water	TT-TW-001
F44960-2	11/02/06	16:30	MM	11/03/06	AQ	Water	TT-TW-002
F44960-3	11/02/06	00:00	MM	11/03/06	AQ	Trip Blank Water	TT-TRIP BLANK

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-001		
Lab Sample ID:	F44960-1	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R05802.D	1	11/07/06	NJ	11/06/06	OP18422	SR272
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
86-74-8	Carbazole	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-TW-001		
Lab Sample ID:	F44960-1	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	6.8	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	3.9	4.8	1.9	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	11.4	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20%		19-90%
4165-62-2	Phenol-d5	12%		10-68%
118-79-6	2,4,6-Tribromophenol	55%		36-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-001		
Lab Sample ID:	F44960-1	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		49-119%
321-60-8	2-Fluorobiphenyl	61%		45-118%
1718-51-0	Terphenyl-d14	66%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
104	1-Hexanol, 2-ethyl-	4.57	23	ug/l	JN
95	Benzothiazole	5.83	6.4	ug/l	JN
23676	Benzoic acid, 4-ethoxy-, ethyl est	7.94	6.2	ug/l	JN
	Total TIC, Semi-Volatile		35.6	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-001		
Lab Sample ID:	F44960-1	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QQ020047.D	1	11/08/06	AF	n/a	n/a	GQQ771
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.9	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	50.2	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		71-130%
98-08-8	aaa-Trifluorotoluene	94%		71-124%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-001		
Lab Sample ID:	F44960-1	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV024768.D	1	11/07/06	MM	n/a	n/a	GUV1421
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	463	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	335	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	92%		70-130%
460-00-4	BFB	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-001		
Lab Sample ID:	F44960-1	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	SW846 8015	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD072829.D	1	11/10/06	MM	n/a	n/a	GCD3014
Run #2 [a]	CD072802.D	1	11/09/06	MM	n/a	n/a	GCD3012

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.337	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	221% [b]	210% [b]	65-127%
98-08-8	aaa-Trifluorotoluene	86%	86%	65-124%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-001		
Lab Sample ID:	F44960-1	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	SW846 8015 M SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13397.D	1	11/07/06	SKW	11/06/06	OP18419	GLL497
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.353	0.24	0.095	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		44-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-002		
Lab Sample ID:	F44960-2	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L034719.D	1	11/09/06	NJ	11/09/06	OP18456	SL1783
Run #2	R05873.D	4	11/10/06	NJ	11/09/06	OP18456	SR275

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	6.0	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	1.5	4.8	0.95	ug/l	J
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	ug/l	
86-74-8	Carbazole	3.7	4.8	0.95	ug/l	J
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-TW-002		
Lab Sample ID:	F44960-2	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	7.4	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	24.2	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	8.9	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	347 [a]	19	3.8	ug/l	
88-74-4	2-Nitroaniline	ND	9.5	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.5	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.5	3.8	ug/l	
91-20-3	Naphthalene	279 [a]	19	3.8	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	7.7	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%	39%	19-90%
4165-62-2	Phenol-d5	23%	24%	10-68%
118-79-6	2,4,6-Tribromophenol	84%	92%	36-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-002		
Lab Sample ID:	F44960-2	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%	73%	49-119%
321-60-8	2-Fluorobiphenyl	72%	79%	45-118%
1718-51-0	Terphenyl-d14	65%	63%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
100-41-4	Ethylbenzene	3.82	40	ug/l	JN
300-57-2	Benzene, 2-propenyl-	5.05	26	ug/l	JN
49826-53-1	Bicyclo[3.2.1]oct-2-ene, 3-methyl-4-meth	5.16	15	ug/l	JN
767-58-8	Indan, 1-methyl-	5.73	15	ug/l	JN
3333-13-9	Benzene, 1-methyl-4-(2-propenyl)-	5.79	52	ug/l	JN
119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	5.89	19	ug/l	JN
1000164-42-6	Bicyclo[4.2.1]nona-2,4,7-triene, 7-ethyl	6.35	17	ug/l	JN
4489-84-3	Benzene, (3-methyl-2-butenyl)-	6.57	15	ug/l	JN
1680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-methyl	6.80	17	ug/l	JN
26465-81-6	1H-Inden-1-one, 2,3-dihydro-3,3-dimethyl	7.17	15	ug/l	JN
1127-76-0	Naphthalene, 1-ethyl-	7.62	23	ug/l	JN
581-42-0	Naphthalene, 2,6-dimethyl-	7.72	69	ug/l	JN
581-40-8	Naphthalene, 2,3-dimethyl-	7.83	97	ug/l	JN
582-16-1	Naphthalene, 2,7-dimethyl-	7.86	53	ug/l	JN
571-58-4	Naphthalene, 1,4-dimethyl-	7.99	29	ug/l	JN
2131-42-2	Naphthalene, 1,4,6-trimethyl-	8.51	26	ug/l	JN
829-26-5	Naphthalene, 2,3,6-trimethyl-	8.85	36	ug/l	JN
60829-58-5	1-Hydroxy-4-(1-hydroxyiminoethyl)-2,2,5,	9.32	19	ug/l	JN
613-33-2	4,4'-Dimethylbiphenyl	10.22	18	ug/l	JN
1000213-52-2	7-Chloro-4-methoxy-3-methylquinoline	20.93	25	ug/l	JN
	Total TIC, Semi-Volatile		626	ug/l	J

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-002		
Lab Sample ID:	F44960-2	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QQ020048.D	1	11/08/06	AF	n/a	n/a	GQQ771
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		71-130%
98-08-8	aaa-Trifluorotoluene	99%		71-124%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-002		
Lab Sample ID:	F44960-2	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV024772.D	1	11/07/06	MM	n/a	n/a	GUV1421
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	75%		70-130%
460-00-4	BFB	76%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-002		
Lab Sample ID:	F44960-2	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	SW846 8015	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD072803.D	1	11/09/06	MM	n/a	n/a	GCD3012
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-127%
98-08-8	aaa-Trifluorotoluene	85%		65-124%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TW-002		
Lab Sample ID:	F44960-2	Date Sampled:	11/02/06
Matrix:	AQ - Water	Date Received:	11/03/06
Method:	SW846 8015 M SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13446.D	4	11/09/06	ME	11/09/06	OP18455	GLL499
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	5.50	0.96	0.38	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		44-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TT-TRIP BLANK		
Lab Sample ID:	F44960-3	Date Sampled:	11/02/06
Matrix:	AQ - Trip Blank Water	Date Received:	11/03/06
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-TT-49		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QQ020049.D	1	11/08/06	AF	n/a	n/a	GQQ771
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		71-130%
98-08-8	aaa-Trifluorotoluene	93%		71-124%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18422-MB	R05801.D	1	11/07/06	NJ	11/06/06	OP18422	SR272

The QC reported here applies to the following samples: Method: EPA 625

F44960-1

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
86-74-8	Carbazole	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18422-MB	R05801.D	1	11/07/06	NJ	11/06/06	OP18422	SR272

The QC reported here applies to the following samples: Method: EPA 625

F44960-1

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	35%	19-90%
4165-62-2	Phenol-d5	21%	10-68%

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18422-MB	R05801.D	1	11/07/06	NJ	11/06/06	OP18422	SR272

The QC reported here applies to the following samples: Method: EPA 625

F44960-1

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	65%	36-137%
4165-60-0	Nitrobenzene-d5	62%	49-119%
321-60-8	2-Fluorobiphenyl	62%	45-118%
1718-51-0	Terphenyl-d14	66%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18456-MB	L034718.D	1	11/09/06	NJ	11/09/06	OP18456	SL1783

The QC reported here applies to the following samples: Method: EPA 625

F44960-2

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
86-74-8	Carbazole	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18456-MB	L034718.D	1	11/09/06	NJ	11/09/06	OP18456	SL1783

The QC reported here applies to the following samples: Method: EPA 625

F44960-2

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	29%	19-90%
4165-62-2	Phenol-d5	16%	10-68%

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18456-MB	L034718.D	1	11/09/06	NJ	11/09/06	OP18456	SL1783

The QC reported here applies to the following samples: Method: EPA 625

F44960-2

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	68%	36-137%
4165-60-0	Nitrobenzene-d5	61%	49-119%
321-60-8	2-Fluorobiphenyl	60%	45-118%
1718-51-0	Terphenyl-d14	71%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18456-MB	R05872.D	1	11/10/06	NJ	11/09/06	OP18456	SR275

The QC reported here applies to the following samples: Method: EPA 625

F44960-2

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
86-74-8	Carbazole	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18456-MB	R05872.D	1	11/10/06	NJ	11/09/06	OP18456	SR275

The QC reported here applies to the following samples: Method: EPA 625

F44960-2

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	30%	19-90%
4165-62-2	Phenol-d5	18%	10-68%

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18456-MB	R05872.D	1	11/10/06	NJ	11/09/06	OP18456	SR275

The QC reported here applies to the following samples: Method: EPA 625

F44960-2

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	72%	36-137%
4165-60-0	Nitrobenzene-d5	65%	49-119%
321-60-8	2-Fluorobiphenyl	63%	45-118%
1718-51-0	Terphenyl-d14	65%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18422-BS	R05800.D	1	11/07/06	NJ	11/06/06	OP18422	SR272

The QC reported here applies to the following samples: Method: EPA 625

F44960-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	17.6	18	10-50
95-57-8	2-Chlorophenol	50	35.4	71	57-100
59-50-7	4-Chloro-3-methyl phenol	50	38.3	77	63-105
120-83-2	2,4-Dichlorophenol	50	38.6	77	65-106
105-67-9	2,4-Dimethylphenol	50	29.8	60	49-90
51-28-5	2,4-Dinitrophenol	100	75.0	75	26-125
534-52-1	4,6-Dinitro-o-cresol	100	83.3	83	56-121
95-48-7	2-Methylphenol	50	30.4	61	48-90
	3&4-Methylphenol	100	59.0	59	43-94
88-75-5	2-Nitrophenol	50	36.8	74	62-107
100-02-7	4-Nitrophenol	100	32.1	32	19-66
87-86-5	Pentachlorophenol	100	83.7	84	62-120
108-95-2	Phenol	50	17.4	35	20-65
95-95-4	2,4,5-Trichlorophenol	50	38.9	78	67-103
88-06-2	2,4,6-Trichlorophenol	50	38.7	77	68-104
83-32-9	Acenaphthene	50	40.1	80	67-101
208-96-8	Acenaphthylene	50	39.2	78	65-100
120-12-7	Anthracene	50	41.5	83	71-103
56-55-3	Benzo(a)anthracene	50	35.5	71	71-105
50-32-8	Benzo(a)pyrene	50	40.5	81	67-106
205-99-2	Benzo(b)fluoranthene	50	40.8	82	68-108
191-24-2	Benzo(g,h,i)perylene	50	40.6	81	65-110
207-08-9	Benzo(k)fluoranthene	50	41.7	83	69-110
101-55-3	4-Bromophenyl phenyl ether	50	40.9	82	71-106
85-68-7	Butyl benzyl phthalate	50	35.1	70	66-110
100-51-6	Benzyl Alcohol	50	34.5	69	36-101
91-58-7	2-Chloronaphthalene	50	37.9	76	62-99
106-47-8	4-Chloroaniline	50	38.5	77	58-101
86-74-8	Carbazole	50	40.7	81	73-106
218-01-9	Chrysene	50	36.5	73	71-105
111-91-1	bis(2-Chloroethoxy)methane	50	34.4	69	56-101
111-44-4	bis(2-Chloroethyl)ether	50	37.5	75	60-108
108-60-1	bis(2-Chloroisopropyl)ether	50	34.1	68	49-108
7005-72-3	4-Chlorophenyl phenyl ether	50	39.6	79	69-106
95-50-1	1,2-Dichlorobenzene	50	37.0	74	48-98
541-73-1	1,3-Dichlorobenzene	50	37.3	75	44-95

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18422-BS	R05800.D	1	11/07/06	NJ	11/06/06	OP18422	SR272

The QC reported here applies to the following samples: Method: EPA 625

F44960-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	37.0	74	46-96
121-14-2	2,4-Dinitrotoluene	50	39.5	79	64-107
606-20-2	2,6-Dinitrotoluene	50	37.8	76	64-102
91-94-1	3,3'-Dichlorobenzidine	50	34.3	69	54-109
53-70-3	Dibenzo(a,h)anthracene	50	40.4	81	61-112
132-64-9	Dibenzofuran	50	38.8	78	70-102
84-74-2	Di-n-butyl phthalate	50	39.5	79	69-109
117-84-0	Di-n-octyl phthalate	50	41.7	83	63-125
84-66-2	Diethyl phthalate	50	39.9	80	66-111
131-11-3	Dimethyl phthalate	50	39.0	78	66-109
117-81-7	bis(2-Ethylhexyl)phthalate	50	36.1	72	66-114
206-44-0	Fluoranthene	50	42.0	84	71-108
86-73-7	Fluorene	50	41.1	82	68-102
118-74-1	Hexachlorobenzene	50	40.2	80	69-103
87-68-3	Hexachlorobutadiene	50	36.4	73	48-100
77-47-4	Hexachlorocyclopentadiene	50	25.5	51	20-85
67-72-1	Hexachloroethane	50	35.7	71	41-98
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.7	81	66-112
78-59-1	Isophorone	50	38.7	77	62-105
91-57-6	2-Methylnaphthalene	50	39.3	79	62-105
88-74-4	2-Nitroaniline	50	39.2	78	66-105
99-09-2	3-Nitroaniline	50	38.7	77	56-104
100-01-6	4-Nitroaniline	50	39.1	78	62-110
91-20-3	Naphthalene	50	37.5	75	56-99
98-95-3	Nitrobenzene	50	37.1	74	60-102
621-64-7	N-Nitroso-di-n-propylamine	50	37.8	76	56-101
86-30-6	N-Nitrosodiphenylamine	50	39.2	78	69-106
85-01-8	Phenanthrene	50	41.0	82	71-104
129-00-0	Pyrene	50	36.5	73	67-108
120-82-1	1,2,4-Trichlorobenzene	50	37.4	75	52-99

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	47%	19-90%
4165-62-2	Phenol-d5	30%	10-68%

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18422-BS	R05800.D	1	11/07/06	NJ	11/06/06	OP18422	SR272

The QC reported here applies to the following samples: Method: EPA 625

F44960-1

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	83%	36-137%
4165-60-0	Nitrobenzene-d5	72%	49-119%
321-60-8	2-Fluorobiphenyl	72%	45-118%
1718-51-0	Terphenyl-d14	72%	46-135%

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18456-BS	L034717.D	1	11/09/06	NJ	11/09/06	OP18456	SL1783

The QC reported here applies to the following samples: Method: EPA 625

F44960-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	19.7	20	10-50
95-57-8	2-Chlorophenol	50	37.5	75	57-100
59-50-7	4-Chloro-3-methyl phenol	50	39.3	79	63-105
120-83-2	2,4-Dichlorophenol	50	41.6	83	65-106
105-67-9	2,4-Dimethylphenol	50	32.0	64	49-90
51-28-5	2,4-Dinitrophenol	100	76.2	76	26-125
534-52-1	4,6-Dinitro-o-cresol	100	91.8	92	56-121
95-48-7	2-Methylphenol	50	29.7	59	48-90
	3&4-Methylphenol	100	54.2	54	43-94
88-75-5	2-Nitrophenol	50	40.3	81	62-107
100-02-7	4-Nitrophenol	100	27.8	28	19-66
87-86-5	Pentachlorophenol	100	82.3	82	62-120
108-95-2	Phenol	50	16.0	32	20-65
95-95-4	2,4,5-Trichlorophenol	50	41.0	82	67-103
88-06-2	2,4,6-Trichlorophenol	50	40.9	82	68-104
83-32-9	Acenaphthene	50	40.3	81	67-101
208-96-8	Acenaphthylene	50	40.4	81	65-100
120-12-7	Anthracene	50	42.1	84	71-103
56-55-3	Benzo(a)anthracene	50	41.2	82	71-105
50-32-8	Benzo(a)pyrene	50	41.8	84	67-106
205-99-2	Benzo(b)fluoranthene	50	40.9	82	68-108
191-24-2	Benzo(g,h,i)perylene	50	45.5	91	65-110
207-08-9	Benzo(k)fluoranthene	50	42.8	86	69-110
101-55-3	4-Bromophenyl phenyl ether	50	41.8	84	71-106
85-68-7	Butyl benzyl phthalate	50	41.0	82	66-110
100-51-6	Benzyl Alcohol	50	28.7	57	36-101
91-58-7	2-Chloronaphthalene	50	39.9	80	62-99
106-47-8	4-Chloroaniline	50	37.1	74	58-101
86-74-8	Carbazole	50	41.0	82	73-106
218-01-9	Chrysene	50	42.5	85	71-105
111-91-1	bis(2-Chloroethoxy)methane	50	37.3	75	56-101
111-44-4	bis(2-Chloroethyl)ether	50	39.6	79	60-108
108-60-1	bis(2-Chloroisopropyl)ether	50	36.4	73	49-108
7005-72-3	4-Chlorophenyl phenyl ether	50	40.7	81	69-106
95-50-1	1,2-Dichlorobenzene	50	36.8	74	48-98
541-73-1	1,3-Dichlorobenzene	50	35.8	72	44-95

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18456-BS	L034717.D	1	11/09/06	NJ	11/09/06	OP18456	SL1783

The QC reported here applies to the following samples: Method: EPA 625

F44960-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	35.9	72	46-96
121-14-2	2,4-Dinitrotoluene	50	39.8	80	64-107
606-20-2	2,6-Dinitrotoluene	50	38.6	77	64-102
91-94-1	3,3'-Dichlorobenzidine	50	39.5	79	54-109
53-70-3	Dibenzo(a,h)anthracene	50	43.8	88	61-112
132-64-9	Dibenzofuran	50	39.0	78	70-102
84-74-2	Di-n-butyl phthalate	50	40.2	80	69-109
117-84-0	Di-n-octyl phthalate	50	43.0	86	63-125
84-66-2	Diethyl phthalate	50	39.7	79	66-111
131-11-3	Dimethyl phthalate	50	40.4	81	66-109
117-81-7	bis(2-Ethylhexyl)phthalate	50	41.4	83	66-114
206-44-0	Fluoranthene	50	42.8	86	71-108
86-73-7	Fluorene	50	41.0	82	68-102
118-74-1	Hexachlorobenzene	50	39.9	80	69-103
87-68-3	Hexachlorobutadiene	50	36.9	74	48-100
77-47-4	Hexachlorocyclopentadiene	50	33.0	66	20-85
67-72-1	Hexachloroethane	50	35.6	71	41-98
193-39-5	Indeno(1,2,3-cd)pyrene	50	44.2	88	66-112
78-59-1	Isophorone	50	42.0	84	62-105
91-57-6	2-Methylnaphthalene	50	40.6	81	62-105
88-74-4	2-Nitroaniline	50	40.2	80	66-105
99-09-2	3-Nitroaniline	50	37.8	76	56-104
100-01-6	4-Nitroaniline	50	39.8	80	62-110
91-20-3	Naphthalene	50	38.8	78	56-99
98-95-3	Nitrobenzene	50	40.1	80	60-102
621-64-7	N-Nitroso-di-n-propylamine	50	38.2	76	56-101
86-30-6	N-Nitrosodiphenylamine	50	39.2	78	69-106
85-01-8	Phenanthrene	50	41.3	83	71-104
129-00-0	Pyrene	50	43.1	86	67-108
120-82-1	1,2,4-Trichlorobenzene	50	38.6	77	52-99

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	42%	19-90%
4165-62-2	Phenol-d5	24%	10-68%

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18456-BS	L034717.D	1	11/09/06	NJ	11/09/06	OP18456	SL1783

The QC reported here applies to the following samples: Method: EPA 625

F44960-2

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	83%	36-137%
4165-60-0	Nitrobenzene-d5	76%	49-119%
321-60-8	2-Fluorobiphenyl	75%	45-118%
1718-51-0	Terphenyl-d14	81%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18422-MS	R05808.D	1	11/07/06	NJ	11/06/06	OP18422	SR272
OP18422-MSD	R05809.D	1	11/07/06	NJ	11/06/06	OP18422	SR272
F44942-5	R05807.D	1	11/07/06	NJ	11/06/06	OP18422	SR272

The QC reported here applies to the following samples: Method: EPA 625

F44960-1

CAS No.	Compound	F44942-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		196	53.1	27	58.8	30	10	10-80/45
95-57-8	2-Chlorophenol	ND		98	60.8	62	65.7	67	8	43-109/27
59-50-7	4-Chloro-3-methyl phenol	ND		98	68.6	70	73.1	75	6	57-109/20
120-83-2	2,4-Dichlorophenol	ND		98	64.8	66	70.9	72	9	49-114/23
105-67-9	2,4-Dimethylphenol	ND		98	49.9	51	54.8	56	9	32-103/24
51-28-5	2,4-Dinitrophenol	ND		196	130	66	142	72	9	20-131/28
534-52-1	4,6-Dinitro-o-cresol	ND		196	149	76	162	83	8	46-130/23
95-48-7	2-Methylphenol	ND		98	54.6	56	61.5	63	12	40-102/25
	3&4-Methylphenol	ND		196	115	59	126	64	9	39-97/24
88-75-5	2-Nitrophenol	ND		98	62.0	63	67.6	69	9	46-115/26
100-02-7	4-Nitrophenol	ND		196	86.4	44	90.8	46	5	28-81/30
87-86-5	Pentachlorophenol	ND		196	148	75	158	81	7	53-128/22
108-95-2	Phenol	ND		98	41.5	42	43.8	45	5	19-81/33
95-95-4	2,4,5-Trichlorophenol	ND		98	66.0	67	71.0	72	7	56-110/19
88-06-2	2,4,6-Trichlorophenol	ND		98	66.5	68	70.7	72	6	55-112/19
83-32-9	Acenaphthene	ND		98	70.1	72	74.9	76	7	58-109/18
208-96-8	Acenaphthylene	ND		98	68.4	70	72.9	74	6	59-103/18
120-12-7	Anthracene	ND		98	75.9	77	79.2	81	4	65-108/16
56-55-3	Benzo(a)anthracene	ND		98	63.9	65*	68.5	70	7	68-106/17
50-32-8	Benzo(a)pyrene	ND		98	72.2	74	77.5	79	7	61-108/18
205-99-2	Benzo(b)fluoranthene	ND		98	73.6	75	78.3	80	6	65-109/18
191-24-2	Benzo(g,h,i)perylene	ND		98	73.5	75	77.0	79	5	60-114/19
207-08-9	Benzo(k)fluoranthene	ND		98	76.1	78	82.0	84	7	66-111/17
101-55-3	4-Bromophenyl phenyl ether	ND		98	71.9	73	77.8	79	8	68-108/17
85-68-7	Butyl benzyl phthalate	ND		98	61.6	63*	66.6	68	8	64-111/18
100-51-6	Benzyl Alcohol	ND		98	60.9	62	68.6	70	12	44-105/26
91-58-7	2-Chloronaphthalene	ND		98	66.0	67	70.6	72	7	57-102/20
106-47-8	4-Chloroaniline	ND		98	60.4	62	63.7	65	5	37-106/27
86-74-8	Carbazole	ND		98	73.9	75	77.7	79	5	68-111/16
218-01-9	Chrysene	ND		98	66.9	68*	71.6	73	7	69-106/17
111-91-1	bis(2-Chloroethoxy)methane	ND		98	58.3	59	62.9	64	8	46-106/24
111-44-4	bis(2-Chloroethyl)ether	ND		98	63.4	65	68.3	70	7	48-114/28
108-60-1	bis(2-Chloroisopropyl)ether	ND		98	57.5	59	63.1	64	9	43-110/26
7005-72-3	4-Chlorophenyl phenyl ether	ND		98	70.8	72	77.0	79	8	66-107/17
95-50-1	1,2-Dichlorobenzene	ND		98	64.0	65	70.0	71	9	45-103/24
541-73-1	1,3-Dichlorobenzene	ND		98	62.2	63	68.6	70	10	42-100/24

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18422-MS	R05808.D	1	11/07/06	NJ	11/06/06	OP18422	SR272
OP18422-MSD	R05809.D	1	11/07/06	NJ	11/06/06	OP18422	SR272
F44942-5	R05807.D	1	11/07/06	NJ	11/06/06	OP18422	SR272

The QC reported here applies to the following samples: Method: EPA 625

F44960-1

CAS No.	Compound	F44942-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		98	63.1	64	69.9	71	10	43-102/24
121-14-2	2,4-Dinitrotoluene	ND		98	70.9	72	75.2	77	6	60-108/18
606-20-2	2,6-Dinitrotoluene	ND		98	67.3	69	71.9	73	7	59-105/18
91-94-1	3,3'-Dichlorobenzidine	ND		98	56.6	58	59.3	60	5	21-120/24
53-70-3	Dibenzo(a,h)anthracene	ND		98	73.1	75	77.5	79	6	59-112/18
132-64-9	Dibenzofuran	ND		98	68.7	70	73.0	74	6	65-105/17
84-74-2	Di-n-butyl phthalate	ND		98	70.1	72	75.2	77	7	68-109/18
117-84-0	Di-n-octyl phthalate	ND		98	71.5	73	77.3	79	8	59-127/23
84-66-2	Diethyl phthalate	ND		98	71.1	73	77.1	79	8	64-111/18
131-11-3	Dimethyl phthalate	ND		98	69.6	71	76.0	78	9	63-109/17
117-81-7	bis(2-Ethylhexyl)phthalate	ND		98	62.3	64	67.1	68	7	58-119/21
206-44-0	Fluoranthene	ND		98	76.3	78	81.5	83	7	68-110/18
86-73-7	Fluorene	ND		98	72.4	74	77.4	79	7	62-106/17
118-74-1	Hexachlorobenzene	ND		98	72.4	74	77.4	79	7	66-106/16
87-68-3	Hexachlorobutadiene	ND		98	62.0	63	68.0	69	9	46-107/26
77-47-4	Hexachlorocyclopentadiene	ND		98	43.7	45	46.9	48	7	16-84/31
67-72-1	Hexachloroethane	ND		98	60.6	62	67.6	69	11	39-105/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		98	73.2	75	77.5	79	6	61-115/19
78-59-1	Isophorone	ND		98	65.8	67	71.8	73	9	54-107/22
91-57-6	2-Methylnaphthalene	ND		98	68.6	70	73.3	75	7	53-112/22
88-74-4	2-Nitroaniline	ND		98	69.5	71	73.5	75	6	60-108/18
99-09-2	3-Nitroaniline	ND		98	64.5	66	68.6	70	6	43-103/23
100-01-6	4-Nitroaniline	ND		98	69.1	70	75.2	77	8	55-110/19
91-20-3	Naphthalene	ND		98	64.9	66	69.7	71	7	49-104/24
98-95-3	Nitrobenzene	ND		98	62.9	64	68.2	70	8	50-107/25
621-64-7	N-Nitroso-di-n-propylamine	ND		98	63.7	65	68.5	70	7	47-104/23
86-30-6	N-Nitrosodiphenylamine	ND		98	70.0	71	74.0	75	6	63-110/17
85-01-8	Phenanthrene	ND		98	75.0	77	79.2	81	5	67-108/17
129-00-0	Pyrene	ND		98	66.3	68	69.4	71	5	65-108/18
120-82-1	1,2,4-Trichlorobenzene	ND		98	63.8	65	68.9	70	8	49-104/25

CAS No.	Surrogate Recoveries	MS	MSD	F44942-5	Limits
367-12-4	2-Fluorophenol	50%	56%	43%	19-90%
4165-62-2	Phenol-d5	40%	41%	26%	10-68%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18422-MS	R05808.D	1	11/07/06	NJ	11/06/06	OP18422	SR272
OP18422-MSD	R05809.D	1	11/07/06	NJ	11/06/06	OP18422	SR272
F44942-5	R05807.D	1	11/07/06	NJ	11/06/06	OP18422	SR272

The QC reported here applies to the following samples: Method: EPA 625

F44960-1

CAS No.	Surrogate Recoveries	MS	MSD	F44942-5	Limits
118-79-6	2,4,6-Tribromophenol	75%	81%	73%	36-137%
4165-60-0	Nitrobenzene-d5	63%	68%	67%	49-119%
321-60-8	2-Fluorobiphenyl	63%	67%	68%	45-118%
1718-51-0	Terphenyl-d14	65%	70%	68%	46-135%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQQ771-MB	QQ020042.D	1	11/08/06	AF	n/a	n/a	GQQ771

The QC reported here applies to the following samples: Method: EPA 601/602

F44960-1, F44960-2, F44960-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	71-130%
98-08-8	aaa-Trifluorotoluene	94%	71-124%

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1421-MB	UV024760.D	1	11/07/06	MM	n/a	n/a	GUV1421

The QC reported here applies to the following samples: Method: MADEP VPH

F44960-1, F44960-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	BFB	79%	70-130%
460-00-4	BFB	77%	70-130%

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3012-MB	CD072801.D	1	11/09/06	MM	n/a	n/a	GCD3012

The QC reported here applies to the following samples: Method: SW846 8015

F44960-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	65-127%
98-08-8	aaa-Trifluorotoluene	84%	65-124%

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3014-MB	CD072828.D	1	11/10/06	MM	n/a	n/a	GCD3014

The QC reported here applies to the following samples: Method: SW846 8015

F44960-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	65-127%
98-08-8	aaa-Trifluorotoluene	84%	65-124%

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQQ771-BS	QQ020041.D	1	11/08/06	AF	n/a	n/a	GQQ771

The QC reported here applies to the following samples: Method: EPA 601/602

F44960-1, F44960-2, F44960-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.4	97	81-121
108-90-7	Chlorobenzene	20	19.3	97	76-120
95-50-1	1,2-Dichlorobenzene	20	18.9	95	63-127
541-73-1	1,3-Dichlorobenzene	20	19.4	97	70-124
106-46-7	1,4-Dichlorobenzene	20	19.5	98	68-121
100-41-4	Ethylbenzene	20	19.3	97	79-124
1634-04-4	Methyl Tert Butyl Ether	20	18.6	93	73-118
108-88-3	Toluene	20	19.3	97	79-122
1330-20-7	Xylenes (total)	60	57.5	96	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	71-130%
98-08-8	aaa-Trifluorotoluene	96%	71-124%

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1421-BS	UV024759.D	1	11/07/06	MM	n/a	n/a	GUV1421

The QC reported here applies to the following samples: Method: MADEP VPH

F44960-1, F44960-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	C5- C8 Aliphatics (Unadj.)	480	556	116	70-130
	C9- C12 Aliphatics (Unadj.)	480	516	108	70-130
	C9- C10 Aromatics (Unadj.)	80	80.4	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	BFB	104%	70-130%
460-00-4	BFB	98%	70-130%

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3012-BS	CD072800.D	1	11/09/06	MM	n/a	n/a	GCD3012

The QC reported here applies to the following samples: Method: SW846 8015

F44960-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.441	110	66-122

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	97%	62-135%
98-08-8	aaa-Trifluorotoluene	97%	65-118%

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3014-BS	CD072827.D	1	11/10/06	MM	n/a	n/a	GCD3014

The QC reported here applies to the following samples: Method: SW846 8015

F44960-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.434	109	63-126

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	65-127%
98-08-8	aaa-Trifluorotoluene	95%	65-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44942-2MS	QQ020050.D	1	11/08/06	AF	n/a	n/a	GQQ771
F44942-2MSD	QQ020051.D	1	11/08/06	AF	n/a	n/a	GQQ771
F44942-2	QQ020045.D	1	11/08/06	AF	n/a	n/a	GQQ771

The QC reported here applies to the following samples: Method: EPA 601/602

F44960-1, F44960-2, F44960-3

CAS No.	Compound	F44942-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.7	94	18.7	94	0	74-126/11
108-90-7	Chlorobenzene	ND		20	18.6	93	18.8	94	1	72-124/8
95-50-1	1,2-Dichlorobenzene	ND		20	19.7	99	19.9	100	1	55-136/13
541-73-1	1,3-Dichlorobenzene	ND		20	18.7	94	18.9	95	1	65-132/16
106-46-7	1,4-Dichlorobenzene	ND		20	18.6	93	18.8	94	1	61-133/11
100-41-4	Ethylbenzene	ND		20	18.4	92	18.5	93	1	71-131/8
1634-04-4	Methyl Tert Butyl Ether	ND		20	18.2	91	17.7	89	3	63-130/11
108-88-3	Toluene	ND		20	18.7	94	18.8	94	1	69-132/7
1330-20-7	Xylenes (total)	ND		60	54.7	91	55.1	92	1	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F44942-2	Limits
460-00-4	4-Bromofluorobenzene	100%	105%	97%	71-130%
98-08-8	aaa-Trifluorotoluene	94%	98%	94%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44942-4MS	UV024774.D	1	11/07/06	MM	n/a	n/a	GUV1421
F44942-4MSD	UV024775.D	1	11/07/06	MM	n/a	n/a	GUV1421
F44942-4	UV024766.D	1	11/07/06	MM	n/a	n/a	GUV1421

The QC reported here applies to the following samples: Method: MADEP VPH

F44960-1, F44960-2

CAS No.	Compound	F44942-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	C5- C8 Aliphatics (Unadj.)	ND		480	481	100	496	103	3	70-130/50
	C9- C12 Aliphatics (Unadj.)	ND		480	454	95	470	98	3	70-130/50
	C9- C10 Aromatics (Unadj.)	ND		80	77.4	97	78.8	99	2	70-130/50

CAS No.	Surrogate Recoveries	MS	MSD	F44942-4	Limits
460-00-4	BFB	87%	87%	76%	70-130%
460-00-4	BFB	85%	86%	75%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F45045-2MS	CD072813.D	1	11/09/06	MM	n/a	n/a	GCD3012
F45045-2MSD	CD072814.D	1	11/09/06	MM	n/a	n/a	GCD3012
F45045-2	CD072807.D	1	11/09/06	MM	n/a	n/a	GCD3012

The QC reported here applies to the following samples: Method: SW846 8015

F44960-2

CAS No.	Compound	F45045-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.422	106	0.423	106	0	56-171/31

CAS No.	Surrogate Recoveries	MS	MSD	F45045-2	Limits
460-00-4	4-Bromofluorobenzene	98%	102%	92%	65-127%
98-08-8	aaa-Trifluorotoluene	95%	95%	82%	65-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F45073-1MS	CD072833.D	1	11/10/06	MM	n/a	n/a	GCD3014
F45073-1MSD	CD072834.D	1	11/10/06	MM	n/a	n/a	GCD3014
F45073-1	CD072830.D	1	11/10/06	MM	n/a	n/a	GCD3014

The QC reported here applies to the following samples: Method: SW846 8015

F44960-1

CAS No.	Compound	F45073-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.417	104	0.395	99	5	56-171/31

CAS No.	Surrogate Recoveries	MS	MSD	F45073-1	Limits
460-00-4	4-Bromofluorobenzene	95%	94%	87%	65-127%
98-08-8	aaa-Trifluorotoluene	95%	95%	84%	65-124%

Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F44942-5DUP	UV024781.D	1	11/07/06	MM	n/a	n/a	GUV1421
F44942-5	UV024771.D	1	11/07/06	MM	n/a	n/a	GUV1421

The QC reported here applies to the following samples: Method: MADEP VPH

F44960-1, F44960-2

CAS No.	Compound	F44942-5 ug/l	Q	DUP ug/l	Q	RPD	Limits
	C5- C8 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C12 Aliphatics (Unadj.)	ND		ND		nc	
	C9- C10 Aromatics (Unadj.)	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F44942-5	Limits
460-00-4	BFB	71%	75%	70-130%
460-00-4	BFB	72%	74%	70-130%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18419-MB	ZF22161.D	1	11/06/06	ME	11/06/06	OP18419	GZF1031

The QC reported here applies to the following samples: Method: SW846 8015 M

F44960-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	44-123%

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18419-MB	LL13396.D	1	11/07/06	SKW	11/06/06	OP18419	GLL497

The QC reported here applies to the following samples: Method: SW846 8015 M

F44960-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	44-123%

Method Blank Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18455-MB	LL13445.D	1	11/09/06	ME	11/09/06	OP18455	GLL499

The QC reported here applies to the following samples: Method: SW846 8015 M

F44960-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	96%	44-123%

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18419-BS	ZF22160.D	1	11/06/06	ME	11/06/06	OP18419	GZF1031

The QC reported here applies to the following samples: Method: SW846 8015 M

F44960-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	1	0.954	95	57-116

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	98%	44-123%

Blank Spike Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18455-BS	LL13444.D	1	11/09/06	ME	11/09/06	OP18455	GLL499

The QC reported here applies to the following samples: Method: SW846 8015 M

F44960-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C28)	1	0.884	88	57-116

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	44-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18419-MS	LL13398.D	1	11/07/06	SKW	11/06/06	OP18419	GLL497
OP18419-MSD	LL13399.D	1	11/07/06	SKW	11/06/06	OP18419	GLL497
F44960-1	LL13397.D	1	11/07/06	SKW	11/06/06	OP18419	GLL497

The QC reported here applies to the following samples: Method: SW846 8015 M

F44960-1

CAS No.	Compound	F44960-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	0.353		1.92	1.87	79	1.86	78	1	41-146/29

CAS No.	Surrogate Recoveries	MS	MSD	F44960-1	Limits
84-15-1	o-Terphenyl	79%	74%	74%	44-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F44960
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-TT-49

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18455-MS	LL13447.D	4	11/09/06	ME	11/09/06	OP18455	GLL499
OP18455-MSD	LL13448.D	4	11/09/06	ME	11/09/06	OP18455	GLL499
F44960-2	LL13446.D	4	11/09/06	ME	11/09/06	OP18455	GLL499

The QC reported here applies to the following samples: Method: SW846 8015 M

F44960-2

CAS No.	Compound	F44960-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	5.50		1.92	6.36	45	6.61	58	4	41-146/29

CAS No.	Surrogate Recoveries	MS	MSD	F44960-2	Limits
84-15-1	o-Terphenyl	83%	84%	86%	44-123%

COC Number:
109972-TT-110106

Shaw Environmental & Infrastructure, Inc.

F44960

CHAIN-OF-CUSTODY RECORD

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location
CAMP LEJEUNE -TT	CAMP LEJEUNE, NC

Project Number	Contact	P.O. Number	Reviewed by
109972	Mark Martin		

Client Rep	Project Manager
US NAVY - LANTDIV	Ron Kenyon

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	602 with Xyenes	625	MADEP EPH	MADEP VPH	DRO/GRO	Analysis Desired
1	TT-TW-001	11/2/06	15:00		X	Tank 1 Temp Well	10	X	X	X	X	X	
2	TT-TW-002	11/2/06	16:30		X	Tank 3 Temp Well	10	X	X	X	X	X	
3	TT Trip Blank	11/2/06			X	Trip Blank	2	X					
4													
5													
6													
7													
8													
9													
10													

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 3		UPS 1Z71V 098 13 9462 5264	11/2/06	~~16:00~~ 1830
2		UPS		11/3/06	1030
3					

Remarks

7 Day TAT

625 Plus 10 Largest Non-Target Peaks Identified

2.0

SGS

Mr. Aaron Ben David
Accutest
4405 Vineland Road
Suite C-15
Orlando FL 32811
Report Number: G383-492

Client Project: F44960

Dear Mr. David:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

11/16/2006
Laboratory Director Date
J. Patrick Weaver

SGS

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: Accutest

Project Name: F44960

Sample Information and Analytical Results	
Sample Identification	F44960-1
Sample Matrix	Water
Date Collected	11/02/06
Date Received	11/09/06
Date Extracted	11/15/06
Date Analyzed	11/16/06
Dry Weight	
Dilution Factor	1:1
C_9-C_{18} Aliphatics*	< 100 (ug/L)
C_{19}-C_{36} Aliphatics*	< 100 (ug/L)
C_{11}-C_{22} Aromatics*	< 100 (ug/L)
Aliphatic Surrogate % Recovery	53
Aromatic Surrogate % Recovery	41
Fractionation Surrogate 1 % Recovery	41

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G383-492-1B

Reviewed By:

SGS

EPH (Aliphatics/Aromatics) Results

by MDEP-EPH

Client Name: Accutest

Project Name: F44960

Sample Information and Analytical Results	
Sample Identification	F44960-2
Sample Matrix	Water
Date Collected	11/02/06
Date Received	11/09/06
Date Extracted	11/15/06
Date Analyzed	11/16/06
Dry Weight	
Dilution Factor	1:1
C_9-C_{18} Aliphatics*	350 (ug/L)
C_{19}-C_{36} Aliphatics*	< 100 (ug/L)
C_{11}-C_{22} Aromatics*	2400 (ug/L)
Aliphatic Surrogate % Recovery	56
Aromatic Surrogate % Recovery	45
Fractionation Surrogate 1 % Recovery	87

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G383-492-2B

Reviewed By:

SGS

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/24/06

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L)	RL (mg/Kg)
C_9-C_{18} Aliphatics	3.84	12.2	100	10
C_{19}-C_{36} Aliphatics	0.57	1.8	100	10
C_{11}-C_{22} Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C_9-C_{18} Aliphatics	6	1.00	Linear Regression
	30		
	60		
	120		
	240		
C_{19}-C_{36} Aliphatics	8	1.0	Linear Regression
	40		
	80		
	160		
	320		
C_{11}-C_{22} Aromatics	17	0.999	Linear Regression
	85		
	170		
	340		
	680		

Calibration Check Date: 11/16/06

Calibration Check

Range	Levels (µg/mL)	RPD
C_9-C_{18} Aliphatics	120	-8.1
C_{19}-C_{36} Aliphatics	160	8.2
C_{11}-C_{22} Aromatics	340	4.3

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit
RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

SGS

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.030606.3

CHAIN OF CUSTODY

ACCUTEST Laboratories

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

G383-492

ACCUTEST JOB #:

ACCUTEST QUOTE #:

1 OF 2

SGS ENVIRONMENTAL SERVICES, INC.

N.C. CERTIFICATION #481

CLIENT INFORMATION

NAME: Accutest Southeast

ADDRESS:

CITY, STATE, ZIP:

SEND REPORT TO:

PHONE #:

FACILITY INFORMATION

PROJECT NAME: F44960

LOCATION:

PROJECT NO.:

FAX #:

ANALYTICAL INFORMATION

EPH

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	EPH
	F44960-1	11/2/06	15:00		W	1				X		X
	-2	↓	16:30		W	1				X		X

DATA TURNAROUND INFORMATION

- ☐ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☒ OTHER 7 Day

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

Paradigm Analytical

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	11/6/06 1630	1.	2.		2.
3.	11/9/06 1000	3. Tony DeLaney	4.		4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL # NA	PRESERVE WHERE APPLICABLE ☐	ON ICE ☒ TEMPERATURE 3.6 C

APPENDIX E

PHOTOGRAPHS of UST CLOSURE ACTIVITIES

Photos: 1A / 1B	**SHAW ENVIRONMENTAL, Inc.** **Photographic Record**	Project No. 109972

Client:
MCB Camp Lejeune

Facility:
Former Tarawa Terrace School (Bldg TT-48)
(Tank #3)

Date:
October 2, 2006

View:
South

Comments:
TT-48 Tank #3 Before Excavation.



Client:
MCB Camp Lejeune

Facility:
Former Tarawa Terrace School (Bldg TT-48)
(Tank #3)

Date:
October 4, 2006

View:
South

Comments:
TT-48 Tank #3 Exposed and Torn Open.



Photos: 2A / 2B	**SHAW ENVIRONMENTAL, Inc.** **Photographic Record**	Project No. 109972

Client:
MCB Camp Lejeune

Facility:
Former Tarawa Terrace School (Bldg TT-48)
(Tank #3)

Date:
October 4, 2006

View:
West

Comments:
TT-48 Tank #3 Removed.



Client:
MCB Camp Lejeune

Facility:
Former Tarawa Terrace School (Bldg TT-48)
(Tank #3)

Date:
October 4, 2006

View:
North

Comments:
TT-48 Tank #3 Excavation.



APPENDIX F

MONITORING WELL CONSTRUCTION AND ABANDONMENT RECORDS

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2156

1. WELL CONTRACTOR:

JIMMIE MANN
Well Contractor (Individual) Name

MANN DRILLING CO.
Well Contractor Company Name

STREET ADDRESS 805 Chatham Street

NEWPORT N.C. 28570
City or Town State Zip Code

(252)- 223-5646
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) TT TANK 3

STATE WELL PERMIT#(if applicable)

DWQ or OTHER PERMIT #(if applicable)

WELL USE (Check Applicable Box) Monitoring ☐ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use) TEMP. H2O SAMPLE

DATE DRILLED 11-2-06

TIME COMPLETED 4:30 AM ☐ PM ☒

3. WELL LOCATION:

CITY: CAMP LEJEUNE TT COUNTY ONSLOW

SIPAN RD. NEW HOUSING
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE 34-44.123 N
LONGITUDE 77-22.566 W

May be in degrees, minutes, seconds or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable)

NAME OF FACILITY

STREET ADDRESS

City or Town State Zip Code

CONTACT PERSON COMMANDING GENERAL

MAILING ADDRESS PSC BOX 20004

CAMP LEJEUNE NC 28542
City or Town State Zip Code

(910)- 451-3991
Area code - Phone number

5. WELL DETAILS:

a. **TOTAL DEPTH:** 18'

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: 8.29 FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 2" FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** _____ **METHOD OF TEST** _____

f. **DISINFECTION: Type** N/A **Amount** _____

g. **WATER ZONES** (depth):

From 6	To 14'	From	To
From	To	From	To
From	To	From	To

6. CASING:

	Depth		Diameter	Thickness/ Weight	Material
From +2	To 8	Ft.	2"		PVC
From	To	Ft.			
From	To	Ft.			

7. GROUT:

	Depth		Material	Method
From	To	Ft.		
From	To	Ft.		
From	To	Ft.		

8. SCREEN:

	Depth		Diameter		Slot Size		Material
From 8	To 18	Ft.	2	in.	.01	in.	PVC
From	To	Ft.		in.		in.	
From	To	Ft.		in.		in.	

9. SAND/GRAVEL PACK:

	Depth		Size	Material
From 6'	To 18	Ft.	#2	SAND
From	To	Ft.		
From	To	Ft.		

10. DRILLING LOG

From	To	Formation Description
0'	10'	TAN SILTY SAND (FILL)
10'	14'	GRAY FINE SAND
14'	18'	OLIVE SANDY CLAY

11. REMARKS:

TEMP. WELL FOR ONE WATER SAMPLE ONLY. ABANDON AFTER SAMPLE

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 11-12-06

JIMMIE MANN
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2156

1. WELL CONTRACTOR:

JIMMIE MANN
Well Contractor (Individual) Name

MANN DRILLING CO.
Well Contractor Company Name

STREET ADDRESS 805 Chatham Street

NEWPORT | NC | 28570
City or Town | State | Zip Code

(252) - 223-5646
Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) TT TANK 3

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable)

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☐ Monitoring ☐ Residential
☐ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural
☐ Recovery ☐ Injection ☐ Irrigation
☑ Other (list use) TEMP. H2O SAMPLE

3. WELL LOCATION:

COUNTY ONSLOW QUADRANGLE NAME

NEAREST TOWN: CAMP LEJEUNE T.T.
SIPAN RD NEW HOUSING
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☑ Flat ☐ Ridge ☐ Other
(Check appropriate setting)

LATITUDE 34-44.123 N
LONGITUDE 77-22.-566 W

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☑ GPS ☐ Topographic map
(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID #(if applicable)

NAME OF FACILITY

STREET ADDRESS PH: 910-450-6567

CAMP LEJEUNE | NC | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME COMMANDING GENERAL

STREET ADDRESS PSC BOX 20004

5. WELL DETAILS:

a. Total Depth: 18' ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): ft.
Measuring point is 2' ft. above land surface.

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	8'	ft.	2	in.
b. Casing Removed:	8'	ft.	2	in.

7. DISINFECTION: NONE
(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement lb.
Water gal.

Sand Cement
Cement lb.
Water gal.

Bentonite
Bentonite lb.
Type: ☐ Slurry ☐ Pellets
Water gal.

Other
Type material BENTONITE CHIPS
Amount 50LBS.

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
PULLED CASING AND SCREEN. BACKFILLED HOLE WITH BENTONITE CHIPS

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 11/2/06

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE 11-12-06

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL — DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

JIMMIE MANN
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center – Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06