2007-2008 ANNUAL REMEDIATION MONITORING REPORT
HADNOT POINT FUEL FARM/BUILDING 1115 SITES
MARINE CORPS BASE, CAMP LEJEUNE
ONSLOW COUNTY, NORTH CAROLINA

Prepared for:

DEPARTMENT OF THE NAVY

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TABLE OF CONTENTS

1.0 INTRODUCTION 1-1

1.1 CAMP LEJEUNE MARINE BASE LOCATION AND DESCRIPTION 1-1
1.2 SITE GEOLOGY/HYDROGEOLOGY 1-1
1.3 HADNOT POINT FUEL FARM BUILDING 1115 SITE DESCRIPTION 1-2
1.3.1 Building 1115 Area (Northwest Compound) 1-3
1.3.2 Hadnot Point Fuel Farm Area (Southeast Compound) 1-3

2.0 CONTAMINATION INVESTIGATION HISTORY 2-1

2.1 BUILDING 1115 AREA 2-1
2.2 HADNOT POINT FUEL FARM AREA 2-1
2.3 CORRECTIVE ACTION PLAN 2-2
2.4 GEOPHYSICAL INVESTIGATION 2-3
2.5 ADDITIONAL SOIL SAMPLING AND ANALYSIS 2-5
2.6 REVISED CORRECTIVE ACTION PLAN (RCAP) 2-6
2.7 HPFF BIO-PULSE AIR SPARGE SYSTEM INSTALLATION AND BUILDING VAPOR PROTECTION 2-6

3.0 SYSTEM OPERATION AND RESULTS 3-1

3.1 BUILDING 1115 AREA (NORTHWEST COMPOUND) 3-1
3.2 HPFF FUEL FARM AREA (SOUTHEAST COMPOUND) 3-2
3.3 GROUNDWATER TREATMENT PLANT (GWTP) SYSTEM 3-4
3.4 AGGRESSIVE FLUID/VAPOR RECOVERY (AFVR) 3-5
3.5 FREE PRODUCT RECOVERY SYSTEM 3-6

4.0 GROUNDWATER MONITORING RESULTS 4-1

4.1 GROUNDWATER ELEVATION MEASUREMENTS 4-1
4.1.1 Building 1115 Area (Northwest Compound) 4-1
4.1.2 HPFF Fuel Farm Area (Southeast Compound) 4-2
4.2 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS 4-5
4.2.1 Building 1115 Area (Northwest Compound) 4-5
4.2.2 HPFF Fuel Farm Area (Southeast Compound) 4-8

5.0 CONCLUSIONS 5-1

5.1 AFVR EVENTS 5-1
5.2 GROUNDWATER ELEVATION MEASUREMENTS 5-1
5.2.1 Building 1115 Area (Northwest Compound) 5-1
5.2.2 HPFF Fuel Farm Area (Southeast Compound) 5-2
5.3 GROUNDWATER ANALYTICAL RESULTS 5-2
5.3.1 Building 1115 Area (Northwest Compound) 5-2
5.3.1.1 Shallow Monitoring Wells 5-2
5.3.1.2 Intermediate Monitoring Wells 5-3
5.3.1.3 Deep Monitoring Wells 5-4
5.3.1.4 Groundwater Analytical Results Summary 5-5
5.3.2 HPFF Fuel Farm Area (Southeast Compound) 5-5
5.3.2.1 Shallow Monitoring Wells 5-5
5.3.2.2 Intermediate Monitoring Wells 5-7
5.3.2.3 Deep Monitoring Wells 5-8
5.3.2.4 Groundwater Analytical Results Summary 5-9
5.3.2.5 Groundwater Treatment Plant 5-910

6.0 RECOMMENDATIONS 6-1
6.1 BIO-PULSE 6-1
6.2 BUILDING 1115 AREA (NORTHWEST COMPOUND) 6-1
6.3 HPFF FUEL FARM AREA (SOUTHEAST COMPOUND) 6-3
7.0 REFERENCES 7-1

Tables

Table 2.1: Site Rehabilitation Goals
Table 3.1: Cumulative Mass of Recovered Volatile Hydrocarbons NW Compound
Table 3.2: Cumulative Mass of Recovered Volatile Hydrocarbons SE Compound
Table 4.1: Groundwater Elevation Table, Northwest
Table 4.2: Groundwater Elevation Table, Southeast
Table 4.3: Analytical Parameters
Table 4.4: NW Compound Groundwater Natural Attenuation, August 2007
Table 4.5: NW Compound Groundwater Detected VOCs, August 2007
Table 4.6: NW Compound Groundwater Natural Attenuation, February 2008
Table 4.7: NW Compound Groundwater Detected VOCs, February 2008
Table 4.8: SE Compound Groundwater Natural Attenuation, August 2007
Table 4.9: SE Compound Groundwater Detected VOCs, August 2007
Table 4.10: SE Compound Groundwater Natural Attenuation, February 2008
Table 4.11: SE Compound Groundwater Detected VOCs, February 2008
Table 6.1: Northwest Compound Groundwater Sample Collection and Analysis
Table 6.2: Southeast Compound Groundwater Sample Collection and Analysis

Figures

Figure 1.1: Vicinity Map
Figure 1.2: Site Location Map
Figure 2.1: HPFF Bio-Pulse Sparge Well Location Map
Figure 3.1: Existing AS/SVE Remedial System, NW Compound
Figure 3.2: Existing AS/SVE Remedial System, SE Compound
Figure 4.1: Shallow Well Groundwater Elevation Map, NW August 2007
Figure 4.2: Intermediate Well Groundwater Elevation Map, NW August 2007
Figure 4.3: Deep Well Groundwater Elevation Map, NW August 2007
Figure 4.4: Shallow Well Groundwater Elevation Map, NW February 2008
Figure 4.5: Intermediate Well Groundwater Elevation Map, NW February 2008
Figure 4.6: Deep Well Groundwater Elevation Map, NW February 2008
Figure 4.7: Shallow Well Groundwater Elevation Map, SE August 2007
Figure 4.8: Intermediate Well Groundwater Elevation Map, SE August 2007
Figure 4.9: Deep Well Groundwater Elevation Map, SE August 2007
Figure 4.10: Shallow Well Groundwater Elevation Map, SE February 2008
Figure 4.11: Intermediate Well Groundwater Elevation Map, SE February 2008
Figure 4.12: Deep Well Groundwater Elevation Map, SE February 2008
Figure 4.13: Shallow Well BTEX Groundwater Analytical Results, NW

Figure 4.14: Intermediate Well BTEX Groundwater Analytical Results, NW
Figure 4.15: Deep Well BTEX Groundwater Analytical Results, NW
Figure 4.16: Shallow Well BTEX Groundwater Analytical Results, SE
Figure 4.17: Intermediate Well BTEX Groundwater Analytical Results, SE
Figure 4.18: Deep Well BTEX Groundwater Analytical Results, SE
Figure 5.1: Shallow Well Benzene Iso-concentration Map, NW August 2007
Figure 5.2: Shallow Well Benzene Iso-concentration Map, NW February 2008
Figure 5.3: Intermediate Well Benzene Iso-concentration Map, NW August 2007
Figure 5.4: Intermediate Well Benzene Iso-concentration Map, NW February 2008
Figure 5.5: Deep Well Benzene Iso-concentration Map, NW August 2007
Figure 5.6: Deep Well Benzene Iso-concentration Map, NW February 2008
Figure 5.7: Shallow Well Benzene Iso-concentration Map, SE August 2007
Figure 5.8: Shallow Well Benzene Iso-concentration Map, SE February 2008
Figure 5.9: Intermediate Well Benzene Iso-concentration Map, SE August 2007
Figure 5.10: Intermediate Well Benzene Iso-concentration Map, SE February 2008
Figure 5.11: Deep Well Benzene Iso-concentration Map, SE August 2007
Figure 5.12: Deep Well Benzene Iso-concentration Map, SE February 2008

Appendix A: Aggressive Fluid Vapor Recovery (AFVR) Summary Table

Appendix B: Historical Groundwater Analytical Results

Appendix C: Groundwater Laboratory Analytical Reports, August 2007

Appendix D: Groundwater Sample Collection Field Logs

Appendix E: Groundwater Laboratory Analytical Reports, February 2008

Appendix F: Hydrographs with Groundwater Analytical Results

TITLE PAGE

The facility name, UST owner, UST operator, and UST information is provided below:

UST Location:	Hadnot Point Industrial Area Former Hadnot Point Fuel Farm Along Ash Street Building 1115 Near Holcomb Boulevard and Ash Street Onslow County Camp Lejeune, NC 28562
UST Incident Number:	3671, 10615 and 22788
Facility ID Number:	0-002740
Risk Classification:	Intermediate
Land Use Category:	Industrial/Commercial
UST Owner:	Commanding Officer, MCB I&E/EMD/EQB PSC Box 20004 Onslow County Camp Lejeune, NC 28542 (910) 451-5068
UST Operator:	Commanding Officer, MCB I&E/EMD/EQB PSC Box 20004 Onslow County Camp Lejeune, NC 28542 (910) 451-5068
Primary Responsible Party Contact:	Johanna E. Arnold, PhD. Environmental Control Specialist I&E/EMD/EQB PSC Box 20004 Onslow County Camp Lejeune, NC 28542 (910) 451-9114
Date of Release:	Unknown
Quantity of Release:	Unknown
Source of Release:	UST system along with one AST
Latitude and Longitude:	34° 40’ 18.891” N 77° 19’ 56.7026” W

Tank Number	Installation Date	Tank Capacity	Tank Dimensions	Last Contents	Previous Contents
HPFF-1	Around 1941	12,000	Unknown	Petroleum Products	Petroleum Products
HPFF-2	Around 1941	12,000	Unknown	Petroleum Products	Petroleum Products
HPFF-3	Around 1941	12,000	Unknown	Petroleum Products	Petroleum Products
HPFF-4	Around 1941	12,000	Unknown	Petroleum Products	Petroleum Products
HPFF-5	Around 1941	12,000	Unknown	Petroleum Products	Petroleum Products
HPFF-6	Around 1941	12,000	Unknown	Petroleum Products	Petroleum Products
HPFF-7	Around 1941	15,000	Unknown	Petroleum Products	Petroleum Products
HPFF-8	Around 1941	15,000	Unknown	Petroleum Products	Petroleum Products
HPFF-9	Around 1941	15,000	Unknown	Petroleum Products	Petroleum Products
HPFF-10	Around 1941	15,000	Unknown	Petroleum Products	Petroleum Products
HPFF-11	Around 1941	15,000	Unknown	Petroleum Products	Petroleum Products
HPFF-12	Around 1941	15,000	Unknown	Petroleum Products	Petroleum Products
HPFF-13	Around 1941	15,000	Unknown	Petroleum Products	Petroleum Products
HPFF-14	Around 1941	15,000	Unknown	Petroleum Products	Petroleum Products
HPFF-15	Around 1941	600,000 (AST)	Unknown	Petroleum Products	Petroleum Products
1100-1	1942	1,000	Unknown	Gasoline	Petroleum Products
1100-2	1942	3,000	Unknown	Gasoline	Petroleum Products
1100-3	1942	3,000	Unknown	Gasoline	Petroleum Products
1100-4	1942	5,000	Unknown	Unknown	Unknown
1100-5	1942	5,000	Unknown	Unknown	Unknown
1100-6	1942	5,000	Unknown	Unknown	Unknown
1100-7	1942	5,000	Unknown	Unknown	Unknown

1.0 INTRODUCTION

This annual monitoring report presents the monitoring results collected from June 2007 through May 2008, describes current groundwater contamination conditions, and provides recommendations for the Air Sparge (AS)/Soil Vapor Extraction (SVE) treatment systems located at the Building 1115 site (northwest compound) and the former Hadnot Point Fuel Farm (HPFF) site (southeast compound). In addition, the southeast compound has a Catox unit with the SVE unit to treat petroleum vapors to below the regulatory limits. This report is submitted per the Corrective Action Plan (CAP) dated April 4, 1998 to remediate a release of petroleum and is in compliance with *Groundwater Section Guidelines for the Investigation and Remediation of Soil and Groundwater, Volume II, Petroleum Underground Storage Tanks*, published by the State of North Carolina's Department of Environment and Natural Resources (NCDENR) Division of Water Quality dated April 2001.

This report provides a brief account of the environmental history of the site, summarizes the original CAP, describes the installation and operation of the recommended remedial alternative, and provides a brief discussion of the 2003 Revised CAP. This report also provides a discussion of monitoring results of the AS/SVE system's operation and the current status of groundwater quality compared to baseline data, and presents conclusions about remedial progress to date and recommendations for further system operation.

1.1 CAMP LEJEUNE MARINE BASE LOCATION AND DESCRIPTION

Located in Onslow County, North Carolina, Marine Corps Base (MCB) Camp Lejeune is a training base for the United States Marine Corps. The base covers approximately 236 square miles (151,040 acres) and includes 14 miles of coastline. MCB Camp Lejeune is bounded on the southeast by the Atlantic Ocean and on the northeast by State Route 24. The town of Jacksonville, North Carolina, is located north of the base (*Figure 1.1).*

1.2 SITE GEOLOGY/HYDROGEOLOGY

The project area is dominated by relatively flat topography. The nearest mapped body of surface water is Beaverdam Creek, located approximately 1,400 feet to the west of the Hadnot Point Fuel Farm/Building 1115 area. Surface water runoff from the site is diverted into a network of storm drains and shallow drainage ditches located across the site. Storm water collected by this system of drains and ditches ultimately discharges to the New River.

Sediment and stratigraphy at the site indicate a marine or near shore environment of deposition. Interfingering layers of very fine to fine grained sand, silty sand, and clayey sand occurs to a depth of approximately 12 feet below land surface (bls). Thin discontinuous beds of very fine to medium-grained sand, silty sand, sandy clay, and clay and peat with limited lateral continuity have been identified from 12 to 25 feet bls. Medium to fine-grained sandy clay, sand with minor silts, and clay with minor silts are typically encountered from below 25 feet bls to the limestone interface at an approximate depth of 40 feet bls. No continuous, confining layer has been identified during contamination assessment work at the site. However, numerous discontinuous thin beds of clay, sandy clay, and silty sand have been identified in the subsurface and may act as localized, small-scale confining units.

The groundwater aquifer is classified as GA groundwaters according to the North Carolina Administrative Code (NCAC) Title 2L Subchapter 15A, Section .0201 Groundwater Classifications. A Potential Receptor survey completed by CATLIN in 1998 did not identify any active potable water supply wells within 1,500 feet of the site, or the potential to impact surface water bodies near the site ("Leaking Underground Storage Tank Corrective Action Plan" dated 1998). Depth to groundwater ranges from 4 to 12 feet bls in shallow Type II monitoring wells. In general, the direction of groundwater flow at the site is to the south-southwest for the shallow groundwater and a westward flow for the intermediate and deep groundwater.

1.3 HADNOT POINT FUEL FARM BUILDING 1115 SITE DESCRIPTION

The site is located in the Hadnot Point "mainside" area of MCB Camp Lejeune, North Carolina *(Figure 1.2).* The project area, the Hadnot Point Fuel Farm/Building 1115, is generally bound by Holcomb Boulevard to the north, Michael Road to the south, Birch Street to the west, and the Vehicle Ready Fuel Storage facility and Temporary Fuel Farm (off Michael Road) to the east.

The project area consists of two primary source areas: the HPFF treated by the Southeast Compound and the former underground storage tanks (USTs) associated with Building 1115 treated by the Northwest Compound. Free-phased product has been observed and dissolved-phase contamination appears to have migrated from the source areas and commingled to form a continuous plume of groundwater contamination throughout the area.

1.3.1 Building 1115 Area (Northwest Compound)

Building 1115 was constructed as a fleet service and refueling area. Seven USTs were located west of the building. Three of the USTs contained gasoline and the other four contained either diesel or gasoline. There have been no reports of known releases from the tanks or distribution system associated with Building 1115. Closure of the seven USTs, which consisted of excavation and removal, was completed in March 1993. Free-phase product was observed in the tank excavation during the UST closure activities.

1.3.2 Hadnot Point Fuel Farm Area (Southeast Compound)

The HPFF was constructed in about 1941 and consisted of 15 fuel storage tanks including: one 600,000-gallon aboveground storage tank, six 12,000-gallon USTs, and eight 15,000-gallon USTs. The tanks contained diesel fuel, gasoline, unleaded gasoline, and kerosene. There have been numerous recorded losses of product at the site including diesel and unleaded gasoline. Most of the losses likely occurred because of leaks in transfer lines or transfer line valves. Leaks in the fuel lines and tanks were documented as early as 1979. Closure of the one AST and 14 USTs, which consisted of excavation and removal, was completed in March 1993.

2.0 CONTAMINATION INVESTIGATION HISTORY

2.1 BUILDING 1115 AREA

A limited site assessment consisting of 10 monitoring wells was completed in October 1993 for the Bldg 1115 Area. The findings of the assessment revealed that soil contamination, free-phase product contamination, and dissolved-phase groundwater contamination existed at the site. Additional contamination assessment work completed from 1993 through 1995 included the installation of monitoring wells to depths ranging from 10 feet deep (shallow), 50 feet deep (intermediate), and 100 feet deep (deep aquifer). Soil and groundwater analytical results provided additional information (but did not completely delineate) on the extent of the soil contamination, and the existence of free-phase product, as well as the horizontal and vertical extent of dissolved contamination. Subsequent contamination assessment investigations completed in 1997 further defined the extent of contamination at the site. This information was used to develop the initial CAP of 1998 that was submitted and subsequently approved by the NCDENR in April 1998.

2.2 HADNOT POINT FUEL FARM AREA

The HPFF Area, which is part of the Hadnot Point Industrial Area (HPIA), has been the focus of numerous soil and groundwater investigations. A Verification Step Study for the Hadnot Point Industrial Area was completed in 1985, and a Characterization Step Report for the HPIA was completed during 1988. These investigations identified the presence of dissolved fuel constituents and/or free product associated with the shallow groundwater.

A Contaminated Groundwater Study was completed in December 1988 to investigate the site hydrogeology and delineate the contaminated groundwater plume. The study identified the presence of free product and dissolved contaminants of concern (COCs) that included: benzene, toluene, ethylbenzene and xylenes (BTEX); methyl tertiary butyl ether (MTBE); trichloroethene (TCE); and tetrachloroethane (PCA).

In 1991, a free-product recovery system consisting of five free-product recovery wells was installed at the HPFF. The system was operated through 1997 when it was discontinued in favor of Aggressive Fluid/Vapor Recovery (AFVR) activities. An estimated 27,000 gallons of free product were recovered by the system. In September 1999, three of the recovery wells (16R, RW4, and RW5) were brought back on line.

A Comprehensive Site Assessment (CSA) was completed in June 1997. Results of this investigation identified soil contamination, free-phase product contamination, and dissolved-phase groundwater contamination at the HPFF. However, the CSA did not delineate the extent of the soil contaminant plume, the downgradient extent of the free product, or the downgradient and vertical extent of the dissolved contaminant plume.

2.3 CORRECTIVE ACTION PLAN

A potential receptor survey was performed during preparation of the CAP of 1998. No active water supply wells were identified within 1,500 feet of the site. The nearest active supply well at the base, HP-642, is located upgradient of the groundwater flow approximately 2,600 feet east-southeast of the project site. The nearest mapped body of surface water is Beaverdam Creek, located approximately 1,400 feet to the west of the site. A Natural Attenuation Fate and Transport Study determined contaminants at the site would not adversely affect the surface waters of the creek.

The remedial goals of the original CAP were as follows:

- Contain the free-product plumes to prevent further migration and remove accumulations of free product to the extent practicable.
- Reduce levels of unsaturated zone soil contamination in selected areas to less than the Action Levels as specified by the NCDENR.
- Prevent further migration of contaminated groundwater in the core or "hot spot" of the upper portion of the plume (less than 50 feet deep) through active remediation. The goal is to contain the "hot spots" and reduce their impact on the quality of the surrounding groundwater, as well as reduce contaminant concentrations to a level that natural degradation and attenuation can complete the remediation process.
- Reduce groundwater contamination in the "hot spots" of the lower portion of the dissolved plume (below 50 feet deep).
- Demonstrate that the natural processes of degradation and attenuation of contaminants is occurring in the fringe areas of both the upper and lower dissolved contaminant plumes.

Table 2.1 provides Site Rehabilitation Goals presented in the CAP. Contaminants identified in the CAP above State Action Levels and NCAC T15A:02L Groundwater Quality Standards at the site include:

- Gasoline-range Organic Total Petroleum Hydrocarbons (TPH-GRO) and Diesel-range Organic Total Petroleum Hydrocarbons (TPH-DRO)
- BTEX
- Naphthalene
- Tetrachloroethane (PCE)
- 1,2-Dichloroethene (DCE)
- Trichloroethene (TCE)
- 1,2-Dichloropropane
- trans-1,2-Dichloroethene

Based on the remedial technology screening process completed during development of the CAP, the most cost-effective remediation strategy for the HPFF/Building 1115 site included the following:

- AFVR for removal of free product
- Installation of free product recovery trenches along the leading edge of the free-product plumes to augment the AFVR (The trenches at the NW compound were not installed because free-phase product was not observed during system installation). The trenches at the SE compound were replaced with a dedicated free product recovery system comprised of existing and some new recovery wells.
- Soil vapor extraction for reduction of unsaturated soil remediation
- Air sparging for the containment and reduction of "shallow" dissolved hydrocarbons coupled with vapor collection and discharge to the atmosphere of petroleum hydrocarbon vapors
- Bio-sparging for reduction of "deep" dissolved hydrocarbons
- Natural attenuation of low concentrations of dissolved-phase petroleum constituents in the "shallow" and "deep" portions of the aquifer

2.4 GEOPHYSICAL INVESTIGATION

A geophysical investigation was initiated in December 2001 and completed in May 2002 to better understand the site hydrogeologic characteristics that might be influencing both free product and high dissolved contaminant concentrations observed in the deep aquifer (greater than 70 feet below the groundwater surface) at the Hadnot Point Fuel Farm. The

Air Injection and Bio-Sparge component of the remedial system was shut down November 26, 2001 to avoid interference during geophysical data collection activities. The system was restarted on January 30, 2003. The working hypothesis developed to explain these conditions included:

- Dissolution of limestone
- Formation of voids and channels that "trap" fuel and serve as protected environments to weathering
- Depth of fuel observed at the site enhanced by drought conditions and aggressive pumping from "deep" water supply wells at the base
- Heavy rain events (i.e., hurricanes) result in flooding of voids
- Re-introduction of contaminants into the aquifer
- Borehole methods (natural gamma/caliper, optical televiewer, full waveform sonics, EM induction)
- Vertical Seismic Profile (VSP)
- Multiazimuth-multioffset
- DC Resistivity (DCRES)
- Surface Reflection Seismic Profiling
- Drilling log data
- SCAPS Direct Push Method (Laser Induced Fluorescence [LIF], Cone Penetrometer Test [CPT], video probe)

Results of the geophysical investigation are presented in the report titled "*Geophysical Investigation at the Former Fuel Farm Facility and Surrounding Areas, Hadnot Point, MCB Camp Lejeune, North Carolina"*, dated May 2002 as completed by Geophex, Ltd, located in Raleigh, North Carolina. Conclusions developed from the geophysical investigation are:

- The subsurface can be divided into two units; an upper unit of unconsolidated, inter-fingering peat, sands, silts, and clays: a lower unit comprising of all semi-consolidated and consolidated sediments below the top of the Castle Hayne.
- No discernable, laterally continuous layers occur within the upper unit of sediments. However, the resistivity profiles delineate zones of decreased electrical resistivity that are interpreted to indicate increased hydrologic conductivity. These zones are predominantly logged as well sorted fine sands in drill logs.
- The top of the Castle Hayne Formation is clearly discernable from the seismic reflection data. The interpreted Castle Hayne reflection horizon displays erosional

undulations, and offsets due to near vertical faulting or fracturing. Fault/fracture zones are interpreted to represent potential pathways for both horizontal and vertical migration of groundwater contaminants.

- Vertical seismic profiles indicate that the largest amplitude reflections at Hadnot Point correlate to limestones, but changes from silty sand to well sorted sand also produce observable reflections.
- Multichannel Analysis of Surface Waves (MASW) data illustrate the occurrence of a collapse feature in the western corner of the site, near Holcomb Boulevard.
- The potential for contaminant migration to depth exists in two main locations: 1) where zones of high hydrologic conductivity coincide with zones of vertical faults/fractures in the Castle Hayne, near the intersection of East Road and Ash Street; and 2) in the northwest corner of the site where a subsurface void or collapse was drilled and confirmed by MASW data. This feature is also overlain by conductive sediments.
- The permeable pathway identified in the resistivity data appears to be bound to the east and west (and possibly the south), but continues to the northwest. The southern extent coincides with the most fractured area of the Castle Hayne.

2.5 ADDITIONAL SOIL SAMPLING AND ANALYSIS

As requested during the February 28, 2002 Partnering Meeting an additional soil sampling and analysis investigation was completed at the former UST basin area of the former HPFF UST site (southeast compound) during the week of June 17, 2002. Soil samples were collected using a hand auger from 0 to 14 feet bls. Soil samples were collected at 2 feet depth intervals. The soil sample was placed in a plastic bag, allowed to equilibrate for 15 minutes, then screened using an organic vapor analyzer (OVA) equipped with a flame ionization detector (FID). The sample with the highest FID reading was then tested on-site for total petroleum hydrocarbons (TPH) using an Ensys™ Petro Soil Test by EPA Method 4030. Additionally, 17 samples were sent to Accutest Laboratory located in Orlando, Florida for analysis using MADEP-EPH, MADEP-VPH, and total petroleum hydrocarbons. Laboratory results correlated well with field data.

Field and laboratory analytical results suggest the presence of high levels of soil contamination starting at approximately six feet bls. The contamination appeared to increase with depth. Results of the additional soil investigation were submitted in a letter report from the United States Marine Corps to the NCDENR.

2.6 REVISED CORRECTIVE ACTION PLAN (RCAP)

CATLIN Engineers and Scientists submitted a CAP Addendum (RCAP) to the NCDENR titled "*Revised Corrective Action Plan for Hadnot Point Fuel Farm"* and dated June 13, 2003. The RCAP was prepared following additional soil assessment activities, groundwater investigation work, and completion of a long term groundwater pumping test performed by CATLIN. Recommendations of the RCAP included continued operation of the existing AS/SVE systems, continued AFVR events, installation of a Bio-Pulse Sparging system, and installation of a groundwater recovery well.

The objective of the RCAP was to propose revisions to the existing remediation systems that would remove free product from the subsurface to the extent practical, reduce contaminated soils to below State Action Levels and reduce groundwater contamination to North Carolina 2L Groundwater Quality Standards (GWQS).

Based on the remedial technology screening process completed during development of the RCAP, the most cost-effective remediation strategy for the HPFF/Building 1115 site included the following:

- Continued operation of the existing air sparge/bio-sparge/vapor extraction systems at the Northwest and Southeast Compounds;
- Installation of a bio-pulse sparge system consisting of 25 strategically located vertical sparge wells installed to a depth of 150 feet bls;
- Initiate groundwater recovery and treatment by pumping groundwater recovery well HPFF-75 at a rate of 30 gpm to achieve hydraulic containment of the contaminant plume;
- Rehabilitation and re-use of the existing groundwater treatment system located at the Southeast Compound equipment area to treat the recovered groundwater; and
- Due to the effectiveness of AFVR at the site, continue AFVR events to reduce the amount of free phase product at the site.

2.7 HPFF BIO-PULSE AIR SPARGE SYSTEM INSTALLATION AND BUILDING VAPOR PROTECTION

Shaw implemented the HPFF bio-pulse air sparge system as recommended in the RCAP starting in October 2005 and completing in October 2006. A total of 25 bio-pulse air sparge wells, BP-1 through BP-24 (SP-100 was installed by Catlin Engineers during the pilot study) were installed by Shaw to a depth of 150 feet below ground surface (ft-bgs).

Initially, two wells (BP-10 and BP-14) were installed by Shaw in October 2005 to evaluate operational characteristics and effectiveness of the bio-pulse wells. An additional four bio-pulse wells (BP-6, BP-9, BP-13, and BP-24) were installed in April 2006. The remaining 18 wells were installed in July and August 2006. The locations of the bio-pulse wells are illustrated on *Figure 2.1*. Shaw Environmental, Inc. prepared a HPFF Bio-Pulse Air Sparge System Installation and Building Vapor Protection Implementation Report dated October 2006 for MCB Camp Lejeune documenting the activities performed. MCB submitted the report to NCDENR.

As part of the bio-pulse system, active soil depressurization systems (ASD) were installed to provide vapor protection in Buildings 1108, 1200, 1201, 1202, and 1301. Also baseline air monitoring of the interiors of several of the buildings in the vicinity of the bio-pulse area was performed in August 2006. On September 27, 2006 Shaw started bio-pulsing of the wells with a 24 hour bio-pulse event for each of the 25 wells in conjunction with routine air monitoring of the interiors and exteriors of the buildings.

On November 9, 2006 above normal FID readings were recorded at Building 1101 and Shaw notified MCB Camp Lejeune EMD and Navy as well as NCDENR. Shaw continued to take daily air monitoring readings in Building 1101 and sealed the floor cracks to limit subsurface air infiltration.

On November 17, 2006 Shaw completed the first bio-pulse cycle of all of the wells. On December 5, Shaw started the second cycle of bio-pulse events of the wells. The bio-pulse operations as well as all other air sparging operations in the HPFF area were shut down on December 7, 2006 when high FID and LEL readings were detected within Building 1101. Shaw installed a ASD system in Building 1101 at the request of MCB Camp Lejeune EMD consisting of seven vent systems in Building 1101 by January 25, 2007. FID readings throughout Building 1101 and all other monitored HPFF buildings were within the “safe” range as well as the LEL readings after installation of the new system.

CATLIN prepared an *Operational Addendum to Corrective Action Plan for Hadnot Point Fuel Farm*, dated March 2007 based on the evaluation of the data from the first bio-pulse cycle event performed by Shaw in the last quarter of 2006. The report recommended reducing the duration of the next round of bio-pulse sparging in each well from 24 hours to 2 to 24 hours depending on the well. The report also recommended installing an air flow orifice and data logger to record the inflow more precisely and digitally. Shaw is

now utilizing a continuous flow meter with recorder to develop an air flow versus time graph for each event for each individual sparge well. The new data is used to evaluate each well for the maximum effectiveness. Catlin will review the data approximately semi-annually and will make specific recommendations as required.

Shaw commenced the second cycle of bio-pulse events on the wells in the HPFF bio-pulse air sparge system on April 17, 2007. The second bio-pulse cycle of the 25 bio-pulse wells ranged from 2 hours to a 24 hour duration event depending on the well. Shaw completed the second cycle of bio-pulse in late May 2007 and began the third cycle in early June 2007. The third cycle was completed in late July 2007. At this time, the bio-pulse was stopped to allow the ground water to stabilize to allow for sampling of the ground water in mid August. Shaw completed the ground water sampling in late August, 2007. In mid August, Shaw provided Catlin Engineers and Scientists the data from the third bio-pulse cycle which they evaluated to fine tune the bio-pulse durations. Catlin wanted to review the ground water quality data as part of the bio-pulse evaluation. The Revised Operations Plan was prepared in late October 2007 and Shaw was given permission from MCB Camp Lejeune EMD in mid November, 2007, to begin the next bio-pulse cycle. The Revised Operations Plan modified the durations of the bio-pulse for each well, all still within the 2 hour to 24 hour duration.

Shaw performed two additional bio-pulse cycles, November December 2007, and January – February 2008 before stopping the operation to allow ground water gauging and sampling in late February 2008. Shaw began the next bio-pulse cycle in early March 2008 and completed the cycle in mid April 2008.

As of April 2008, no FID readings above background have been detected within Building 1101 or the other five buildings during bio-pulse cycles.

3.0 SYSTEM OPERATION AND RESULTS

3.1 BUILDING 1115 AREA (NORTHWEST COMPOUND)

OHM (Predecessor to Shaw) installed a network of five, 50-feet deep AS wells to inject air into the subsurface groundwater around Building 1115. To recover volatile organic hydrocarbons (VOHs) from the unsaturated zone, an SVE collection system consisting of four 20-foot sections of horizontal well screen placed in a cross pattern was installed at each AS well and at four additional locations. Twelve additional 80-feet deep bio-sparging wells and four 100-feet-deep bio-sparging wells were also installed (***Figure 3.1)***. Operational data collection from the AS/SVE system began on February 11, 1999 and has continued at regular intervals to the present. This area was then identified as the Northwest Compound.

This report discusses the system's operation and monitoring results collected from June 2007 through May 2008. Minor downtime periods ranging from one day to a few days duration occurred as a result of excessive groundwater entrainment, minor equipment repairs and routine maintenance. During the time period from June 2007 through May 2008 the system was in operation a total of 317 days of the 365 day time frame for an operational efficiency of 87 percent.

Remedial system monitoring was conducted at least weekly during the contract period. During site inspections, a checklist was used to record operational measurements and conditions such as vacuum blower meter hours, inlet filter differential pressure, and bleed air valve positions. This information was used to identify areas requiring maintenance (such as filter replacement) and to fine-tune the system's operation.

The AS/SVE system was inspected on a weekly basis. Each individual well vault was examined. The system's components were checked and indicators of operational performance (such as vacuum, air velocity, and temperature) were recorded. These inspections help to identify equipment maintenance needs. Additional monitoring of the system included the measurement of organic vapor concentrations in the system's effluent.

Hydrocarbon recovery from the system is calculated using operational parameters such as organic vapor concentrations, exhaust stack pressure, velocity, and temperature. These parameters were used to compute the cumulative mass of hydrocarbons recovered. Since

system startup, a total of 18,861 pounds of hydrocarbons has been recovered from the Building 1115 Area (Northwest Compound) (*Table 3.1*). During this 12 month period (June 2007 to May 2008), a total of 1,714 pounds of hydrocarbons were recovered. Hydrocarbon recovery rates ranged from 9.97 pounds per day (lbs/day) to 1.36 lb/day when the system was in operation. The average recovery rate was 4.1 lbs/day. This is an increase in hydrocarbon recovery from the previous year. In 2006-2007, a total of 1,025 lbs of hydrocarbons were recovered with hydrocarbon recovery rates ranging from 10.6 lbs/day to less than 1.0 lbs/day with an average recovery rate of 3.3 lbs/day.

A descending trend in recovery rates was observed from start-up to 2004. However, an increasing trend in recovery rates from 2004 to the present can be observed in the data. During 2005, a total of 765 lbs of hydrocarbons was recovered. The recovery rate increased to 1,025 lbs recovered in 2006. During the operating time period in 2007-2008 vapor recovery increased to 1,714 lbs recovered comparing the same 12 month period. These increases over the past 2.5 years may be due to the six bio-pulse air sparging cycles for the 25 bio-pulse wells. The recovery rate for 2007-2008 represents a decrease of 90% from initial system vapor recovery rates in 1999. This trend is typical of the operation of SVE systems. As adsorbed-phase petroleum compounds are removed from the unsaturated zone, recovered hydrocarbon vapor concentrations will decrease.

There were no major changes made to the system's configuration or equipment during this operating time period.

3.2 HPFF FUEL FARM AREA (SOUTHEAST COMPOUND)

OHM (Predecessor to Shaw) installed the Southeast compound which consists of a network of thirty, 50-foot deep AS wells to inject air into the subsurface groundwater. To recover VOCs from the unsaturated zone, an SVE collection system consisting of four 20-foot sections of horizontal well screen placed in a cross pattern were installed at each AS well and at six additional locations. The SVE system discharges to a Catalytic Oxidation (Catox) unit to treat the VOC laden vapors. Ten additional 85-foot deep bio-sparging wells were also installed for this treatment system. For operational purposes, the Southeast compound's system has been subdivided into a northern Field #1 (Motor Pool) and a southern Field #2 (Fuel Farm) (*Figure 3.2)*. Operational data collection from both the Field #1 and Field #2 AS/SVE systems began on April 4, 1999 and has continued at regular intervals to the present. In April 2005 an additional nine 50-foot deep AS wells were installed in accordance with recommendations in the Revised

Corrective Action Plan. The locations of the new AS wells (shown in blue) are presented in *Figure 3.2*.

This report discusses the system's operation and results collected from June 2007 through May 2008. During the time period from June 2007 through May 2008 no significant downtime of the SVE system (exceeding several days) occurred. Minor downtime periods ranging from one day to a few days duration occurred as a result of excessive groundwater entrainment, minor equipment repairs and routine maintenance. The remedial system was in operation a total of 322 days of the 365 day time frame for an operational efficiency of 88 percent.

Remedial system monitoring was conducted at least weekly during this operational period. During site inspections, a checklist was used to record operational measurements and conditions such as vacuum blower meter hours, inlet filter differential pressure, and bleed air valve positions. This information was used to identify areas requiring maintenance (such as filter replacement, hour meter replacement) and to fine-tune the system's operation.

The AS/SVE system was also inspected on a weekly basis. Each individual well vault was examined. The system components were checked and indicators of operational performance (such as vacuum, air velocity, and temperature) were recorded. These inspections help to identify equipment maintenance needs. Additional monitoring of the system included the measurement of organic vapor concentrations in the system's effluent.

Hydrocarbon recovery from the system was calculated using operational parameters such as organic vapor concentrations, exhaust stack pressure, velocity and temperature. These parameters were used to compute the cumulative mass of hydrocarbons recovered. Since startup, the HPFF Southeast Compound remedial system has recovered approximately 1,312,560 pounds of hydrocarbons.

Since system startup, the Field #1 (Motor Pool) remedial system has recovered approximately 201,081 pounds of hydrocarbons. In 2005, a total of 3,450 lbs of hydrocarbons was recovered. The recovery rate increased to 5,202 lbs recovered in 2006. In 2007, a total of 5,448 lbs of hydrocarbons was recovered with hydrocarbon recovery rates ranging from 214 lbs/day to 6 lbs/day with an average of 14.9 lbs/day. The current recovery rates in 2007-2008 represents a decrease of 94% from the initial system vapor

recovery rate in 1999. These vapor recovery rate increases over the past 2.5 years in the Motor Pool area may be due to the six bio-pulse air sparging cycles for the 25 bio-pulse wells increasing hydrocarbon vapors in the unsaturated zone from deeper hydrocarbon affected zones, which has been reversing the normal decreasing trend typical of SVE systems.

Since system startup, the Field #2 (Fuel Farm) remedial system has recovered approximately 802,981 pounds of hydrocarbons. During 2005, a total of 41,700 pounds of hydrocarbons was recovered. The recovery rate decreased to 36,700 lbs of hydrocarbons recovered in 2006. During the 2007-2008 operating time period, a total of 29,274 lbs of hydrocarbons was recovered with hydrocarbon recovery rates ranging from 906 lbs/day to 61 lbs/day with an average of 79 lbs/day. The recovery rate in 2007-2008 has decreased approximately 93% from system vapor recovery rates observed during 2000. The vapor recovery rate decrease over the past 2.5 years in the Fuel Farm Area may be partially due to the AFVR events conducted in this area of the hydrocarbon plume where free product is being removed from three monitoring wells (USTHPFFC-15, USTHPFFC-18 and USTHPFFC-MW72). The AFVR events remove primarily free product, but also remove vapors in the same area thus the cause for the reduced recovery rate. A descending trend (from start-up to current removal) is typical of the operation of SVE systems. As adsorbed-phase hydrocarbon compounds are removed from the unsaturated zone, recovered hydrocarbon vapor concentrations will decrease with time.

3.3 GROUNDWATER TREATMENT PLANT (GWTP) SYSTEM

The AS/SVE system was complemented with a GWTP system during 2005. The RCAP recommended using well HPFF-75 to provide hydraulic control of the area. An existing inactive ground water treatment system was rehabilitated to treat groundwater from the recovery well (HPFF-75). The rehabilitation consisted of replacing all the electrical components including the control panel, level controls, and wiring; replacing the transfer pumps from the oil/water separator, the surge tank and the air stripper sump; piping; two bag filter housings; and two 1,000 pound carbon canisters. The groundwater recovery and treatment system was brought on line in September 2005 with a design capacity of 30 gpm. The GWTP was upgraded in June 2007 to included two additional bag filters to maintain the through put at 30 gpm.

Recovery well (HPFF-75) is 80 feet deep with screened interval from 55.0 to 75.0 feet bls. This area is in a sand/limestone located in the intermediate to deep monitoring well zone which has high permeability within the fractures of the limestone. Groundwater

pumped from this screened interval provides hydraulic containment mainly for the intermediate well zone. The shallow zone above this intermediate zone is a relatively low permeable sandy clay which leaks into the high permeable zone. The leakage provides a lesser amount of hydraulic containment in the shallow well zone.

3.4 AGGRESSIVE FLUID/VAPOR RECOVERY (AFVR)

In addition to routinely monitoring the AS/SVE system's operation, select monitoring wells that have displayed the presence of free-phase product have been monitored on a weekly basis for the presence of product. If free-phase product greater than 0.6 feet in thickness is observed in a monitoring well, an AFVR event is completed to remove the product from the well by vacuum lift using a vacuum recovery truck. An AFVR event consists of the removal of total fluids from an existing monitoring well that has demonstrated the presence of free-phase product. The total gallons of product recovered are calculated from liquid and vapor removal measurements of hydrocarbons from the well.

An estimated 2,000 gallons of free product was recovered during 2000 from Monitoring Wells USTHPFFC-15, USTHPFFC-18 and USTHPFFC-MW72. During 2001 an estimated 1,387 gallons of free product was recovered. During 2002 an estimated 900 gallons of free product was recovered. During 2003 an estimated 170 gallons of free product was recovered. During 2004 an estimated 790 gallons of free product was recovered. During 2005 an estimated 745 gallons of free product was recovered. During 2006 an estimated 800 gallons of free product was recovered. During 2007 an estimated 168 gallons of free product was recovered. The high product recovery was observed in 2004 and continued through 2006 in these monitoring wells. This high product recovery was due primarily to the persistent occurrence of product in monitoring well USTHPFFC-MW72 (ranging from 1 to 15 feet thick) throughout the monitoring period.

During the monitoring period from June 2007 through May 2008, a total of 10 AFVR events were completed at the HPFF Fuel Farm area (Southeast Compound) for a total of 168 gallons recovered from USTHPFFC-MW72, which was the only well that required AFVR events in 2007. In comparison, during the 2006 monitoring period AFVR events were conducted at USTHPFFC-MW15 and USTHPFFC-MW72 (55 events, 800 gallons of product). AFVR events have not been performed at USTHPFF-MW11, USTHPFF-MW12, and USTHPFFC-MW28 from September 1, 2003 through April 30, 2008 because free product has not been detected in these wells. These wells will continue to be

monitored for product thickness. A summary table of the AFVR reports for June 2007 to April 2008 is provided in *Appendix A.*

3.5 FREE PRODUCT RECOVERY SYSTEM

Two free product recovery pump wells (MW16R and RW5) have been in operation since September 1999 at the HPFF Southeast compound. The third recovery well, RW4, was shutdown in September 2003 due to the absence of product observed in the well over a one year time period. During the 2007 monitoring period, product was not observed in RW4 (the fifth year in a row).

During this monitoring period, product thickness in MW16R ranged from sheen to 1.29 feet and from 0.26 feet up to 1.96 feet in RW5. An estimated 195 gallons of product was recovered from these wells during the 2007-2008 monitoring period. This is a decrease of 21 gallons of product recovered compared to the previous year (i.e., 216 gallons recovered).

During 2006 product thickness ranged from sheen to 3.16 feet in MW16R and 0.09 feet to 3.10 feet in RW5. During 2005 product thickness ranged from sheen to 1.0 feet in MW16R and up to 1.2 feet in RW5.

Product recovery ranged from a high of 21 gallons per month during July 2007 to a low of 9 gallons during October 2007. This is a decrease from the previous year's high of 37 gallons recovered in August 2006. The product recovery system continues to be successful in reducing the volume of free phase product in the vicinity of the recovery wells.

4.0 GROUNDWATER MONITORING RESULTS

4.1 GROUNDWATER ELEVATION MEASUREMENTS

4.1.1 Building 1115 Area (Northwest Compound)

Groundwater level measurements at the HPFF Building 1115 Northwest compound were collected from 37 monitoring wells in August 2007 and 17 monitoring wells in February 2008. Measurements were recorded from:

- 15 "shallow" (less than 50 feet deep) monitoring wells (1115-1, 1115-2, 1115-4, 1115-7, 1115-9, 1115GT-1, 1115GT-7, 1115GT-9, HPFF-12, HPFF-20, HPFFC-36, HPFFC-39, HPFFC-48, HPFFC-51, and HPFFC-54) for August 2007.

- 7 "shallow" (less than 50 feet deep) monitoring wells (1115-7, 1115-9, 1115GT-7, 1115GT-9, HPFF-12, HPFFC-39, and HPFFC-51) for February 2008.

- 13 "intermediate" (screened from 50 to 70 feet bls) monitoring wells (1115-13, 1115-14, 1115-15, 1115-17, 1115-18, 1115-20, 1115-21, HPFFC-44, HPFFC-47, HPFFC-50, HPFFC-53, HPFFC-73, and HPFFC-76) for August 2007.

- 7 "intermediate" (screened from 50 to 70 feet bls) monitoring wells (1115-13, 1115-14, 1115-17, 1115-18, 1115-20, 1115-21, and HPFFC-47) for February 2008.

- 9 "deep" (greater than 70 feet deep) monitoring wells (1115-22, 1115-23, 1115-24, 1115-25, HPFFC-13, HPFFC-43, HPFFC-55, HPFFC-56, and HPFFC-74) for August 2007.

- 3 "deep" (greater than 70 feet deep) monitoring wells (1115-22, 1115-24, and 1115-25) for February 2008.

The groundwater measurement results from the August 2007 gauging event measurements are presented in *Table 4.1* and are summarized below:

- Depth to groundwater in the "shallow" wells ranged from 4.37 feet bls in

UST1115GT-MW01 to 11.34 feet bls in UST1115-MW09. Groundwater elevations ranged from 13.78 feet National Geodetic Vertical Datum (NGVD) in USTHPFFC-MW39 to 22.04 feet NGVD in USTHPFF-MW12.

- Depth to groundwater in the "intermediate" wells ranged from 8.37 feet bls in USTHPFFC-MW76 to 11.70 feet bls in USTHPFFC-MW73. Groundwater elevations ranged from 13.43 feet NGVD in USTHPFFC-MW44 to 17.37 feet NGVD in UST1115-MW15.

- Depth to groundwater in the "deep" wells ranged from 7.72 feet bls in UST1115-MW23 to 12.49 feet bls in UST1115-MW22. Groundwater elevations ranged from 13.47 feet NGVD in USTHPFFC-MW74 to 19.75 feet NGVD in UST1115-MW23.

The groundwater measurement results from the February 2008 gauging event are summarized below:

- Depth to groundwater in the "shallow" wells ranged from 5.82 feet bls in UST1115GT-MW07 to 12.08 feet bls in USTHPFFC-MW51. Groundwater elevations ranged from 13.02 feet NGVD in USTHPFFC-MW39 to 20.98 feet NGVD in USTHPFF-MW12.

- Depth to groundwater in the "intermediate" wells ranged from 10.68 feet bls in UST1115-MW13 to 12.88 feet bls in UST1115-MW14. Groundwater elevations ranged from 13.31 feet NGVD in USTHPFFC-MW47 to 15.41 feet NGVD in UST1115-MW20.

- Depth to groundwater in the "deep" wells ranged from 11.37 feet bls in UST1115-MW25 to 13.34 feet bls in UST1115-MW22. Groundwater elevations ranged from 13.36 feet NGVD in UST1115-MW22 to 14.46 feet NGVD in UST1115-MW25.

4.1.2 HPFF Fuel Farm Area (Southeast Compound)

Groundwater level measurements at the HPFF Fuel Farm Area Southeast compound were collected from 39 monitoring wells in August 2007 and 22 monitoring wells in February 2008. Measurements were recorded from:

- 20 “shallow” monitoring wells (USTHPFF-MW01, USTHPFF-MW06, USTHPFF-MW09, USTHPFF-MW10R, USTHPFF-MW-11, USTHPFF-MW-15, USTHPFF-MW17A, USTHPFF-MW18, USTHPFF-MW19, USTHPFFC-MW01, USTHPFFC-MW02, USTHPFFC-MW03, USTHPFFC-MW05, USTHPFFC-MW15, USTHPFFC-MW19, USTHPFFC-MW20, USTHPFFC-MW31, USTHPFFC-MW38, USTHPFFC-MW72, and UST1101-MW01) for August 2007.

- 11 “shallow” monitoring wells (USTHPFF-MW01, USTHPFF-MW06, USTHPFF-MW10R, USTHPFF-MW-15, USTHPFF-MW17A, USTHPFF-MW18, USTHPFFC-MW05, USTHPFFC-MW15, USTHPFFC-MW19, USTHPFFC-MW20, and USTHPFFC-MW72) in February 2008.

- 9 “intermediate” monitoring wells (USTHPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, USTHPFFC-MW60, USTHPFFC-MW63, USTHPFFC-MW66, USTHPFFC-MW70, and USTHPFFC-MW77) for August 2007.

- 6 “intermediate” monitoring wells (USTHPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, USTHPFFC-MW60, and USTHPFFC-MW66) for February 2008.

- 10 “deep” monitoring wells (USTHPFFC-MW10, USTHPFFC-MW11, USTHPFFC-MW12, USTHPFFC-MW59, USTHPFFC-MW61, USTHPFFC-MW71, IR78-GW17-02, IR78-GW31-02, IR78-GW32-02, and IR78-GW32-03) in August 2007.

- 5 monitoring wells (USTHPFFC-MW10, USTHPFFC-MW12, IR78-GW17-02, IR78-GW32-02, and IR78-GW32-03) in February 2008.

Groundwater level measurements are presented in *Table 4.2*. Monitoring well USTHPFFC-MW72 was not used since it had free product. The groundwater measurement results from August 2007 gauging event are summarized below:

- Depth to groundwater in the “shallow” wells ranged from 5.35 feet bls in USTHPFFC-MW01 to 12.92 feet bls in USTHPFF-MW10R. Groundwater

elevations ranged from 18.17 feet NGVD in USTHPFF-MW01 to 22.62 feet NGVD in USTHPFFC-MW01.

- Depth to groundwater in the "intermediate" wells ranged from 9.30 feet bls in USTHPFFC-MW09 to 16.57 feet bls in USTHPFFC-MW08. Groundwater elevations ranged from 17.06 feet NGVD in USTHPFFC-MW60 to 18.74 feet NGVD in USTHPFFC-MW63.

- Depth to groundwater in the "deep" wells ranged from 9.36 feet bls in IR78-GW32-02 to 15.18 feet bls in USTHPFFC-MW10. Groundwater elevations ranged from 15.43 feet NGVD in IR78-GW31-02 to 17.40 feet NGVD in IR78-GW17-02.

Monitoring wells USTHPFF-MW18, USTHPFFC-MW15, USTHPFFC-MW72, and USTHPFFC-MW66 were not used since they had free product. The groundwater measurement results from the February 2008 gauging event are summarized below:

- Depth to groundwater in the "shallow" wells ranged from 6.86 feet bls in USTHPFFC-MW19 to 12.75 feet bls in USTHPFF-MW17A. Groundwater elevations ranged from 17.29 feet NGVD in USTHPFF-MW01 to 20.16 feet NGVD in USTHPFF-MW15.

- Depth to groundwater in the "intermediate" wells ranged from 10.28 feet bls in USTHPFFC-MW09 to 17.77 feet bls in USTHPFFC-MW08. Groundwater elevations ranged from 16.27 feet NGVD in USTHPFFC-MW07 to 17.61 feet NGVD in USTHPFFC-MW06.

- Depth to groundwater measurements in the "deep" wells ranged from 11.06 feet bls in IR78-GW32-03 to 16.22 feet bls in IR78-GW17-02. Groundwater elevations ranged from 15.32 feet NGVD in USTHPFFC-MW12 to 16.45 feet bls NGVD in USTHPFFC-MW10.

4.2 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

4.2.1 Building 1115 Area (Northwest Compound)

Groundwater sample collection and analysis was completed in August 2007 and February 2008. The samples were analyzed for Volatile Organic Analysis (VOAs) using Method 8260B and individual parameters are shown in Table 4.3. In August 2007:

- 15 "shallow" wells (1115-1, 1115-2, 1115-4, 1115-7, 1115-9, 1115GT-1, 1115GT-7, 1115GT-9, HPFF-12, HPFF-20, HPFFC-36, HPFFC-39, HPFFC-48, HPFFC-51, and HPFFC-54) were sampled.

- 13 "intermediate" wells (1115-13, 1115-14, 1115-15, 1115-17, 1115-18, 1115-20, 1115-21, HPFFC-44, HPFFC-47, HPFFC-50, HPFFC-53, HPFFC-73, and HPFFC-76) were sampled.

- 9 "deep" wells (1115-22, 1115-23, 1115-24, 1115-25, HPFFC-13, HPFFC-43, HPFFC-55, HPFFC-56, and HPFFC-74) were sampled.

Analytical results from the August 2007 sampling event indicated concentrations of COCs above NCGQS in nine of the 15 shallow monitoring wells. The following nine wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- USTHPFF-MW12 [benzene, 758 µg/L; and 1,2 dichloroethane, 75.1 µg/L]
- UST1115-MW01 [tetrachloroethylene, 0.89 J µg/L]
- UST1115GT-MW07 [1,2 dichloroethane, 3.0 µg/L]
- UST1115-MW07 [benzene, 6,230 µg/L; ethylbenzene, 1,560 µg/L; toluene, 8,400 µg/L; total xylenes, 3,920 µg/L; and methylene chloride 143 J µg/L]
- UST1115-MW09 [benzene, 120 µg/L]
- UST1115GT-MW09 [benzene, 21.4 µg/L; and 1,2 dichloroethane, 1.4 µg/L]
- UST1115GT-MW01 [tetrachloroethylene, 0.93 J µg/L]
- USTHPFFC-MW39 [benzene, 5.7 µg/L; and trichloroethylene, 4.4 µg/L] ; and
- USTHPFFC-MW51 [benzene, 2.1 µg/L]

Analytical results from the August 2007 sampling event indicated concentrations of COCs above NCGQS in nine of the 13 intermediate monitoring wells. The following nine wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- UST1115-MW20 [benzene, 18,700 µg/L; ethylbenzene, 1,190 µg/L; and total xylenes, 2,510 µg/L]
- UST1115-MW18 [benzene, 5.5 µg/L; methylene chloride 26.7 JB µg/L; 1,2 dichloroethane, 86.7; and 1,2 dichloropropane, 2.8 µg/L µg/L]
- UST1115-MW17 [benzene, 304 µg/L]
- UST1115-MW14 [benzene, 170 µg/L]
- UST1115-MW21 [benzene, 45.2 µg/L]
- USTHPFFC-MW73 [methyl ethyl ketone, 67,000 µg/L]
- UST1115-MW13 [benzene, 78.5 µg/L; 1,2 dichloroethane, 25.2]
- USTHPFFC-MW76 [trichloroethylene, 83.7 µg/L] ; and
- USTHPFFC-MW47 [benzene, 993 µg/L; methylene chloride 57.5 JB µg/L; 1,2 dichloroethane, 24.8; 1,2 dichloropropane, 12.3 J µg/L; cis1,2 dichloroethylene, 78.8; tetrachloroethylene, 10.6 J µg/L; and trichloroethylene, 249 µg/L]

Analytical results from the August 2007 sampling event indicated concentrations of COCs above NCGQS in four of the 9 deep monitoring wells. The following four wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- UST1115-MW23 [methylene chloride 18.7 JB µg/L; and 1,2 dichloroethane, 330 µg/L]
- UST1115-MW22 [benzene, 600 µg/L]
- UST1115-MW24 [benzene, 4.4 µg/L; and 1,2 dichloroethane, 29.9 µg/L] ; and
- USTHPFFC-MW74 [acetone, 1,840 µg/L; and methyl ethyl ketone, 27,100 µg/L]

Groundwater natural attenuation parameters and analytical results of the COCs for the August 2007 sampling event are presented in *Tables 4.4 and 4.5.* Historical groundwater analytical results are provided in *Appendix B.* Groundwater analytical results for BTEX parameters for all monitoring wells are presented on *Figures 4.13(shallow), 4.14(intermediate), and 4.15(deep).* The complete laboratory analytical reports showing all detections are provided in *Appendix C.* The groundwater sample collection field logs are provided in *Appendix D.*

The second semi-annual sampling event was completed in February 2008. Only the monitoring wells that detected BTEX concentrations above the North Carolina's Groundwater Quality Standards (NCGQS) during the August 2007 sampling event were sampled in February 2008. In February 2008:

- 7 “shallow” wells (1115-7, 1115-9, 1115GT-7, 1115GT-9, HPFF-12, HPFFC-39, and HPFFC-51) were sampled.

- 7 “intermediate” wells (1115-13, 1115-14, 1115-17, 1115-18, 1115-20, 1115-21, and HPFFC-47) were sampled.

- 3 “deep” wells (1115-22, 1115-24, and 1115-25) were sampled.

In April 2008 monitoring well HPFFC-51 was re-sampled due to an anomaly in February 2008 since it had always been at or near the laboratory detection limit.

Analytical results from the February/April 2008 sampling event indicated concentrations of COCs above NCGQS in five of the seven shallow monitoring wells. The following five wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- USTHPFF-MW12 [benzene, 1,110 µg/L; methylene chloride 203 JB µg/L and 1,2 dichloroethane, 212 µg/L]
- UST1115GT-MW07 [benzene, 71.0 µg/L; 1,2 dichloroethane, 3.3 µg/L; and 1,2 dichloropropane, 0.75 J µg/L]
- UST1115-MW07 [benzene, 4,250 µg/L; ethylbenzene, 1,040 µg/L; toluene, 6,350 µg/L; total xylenes, 3,530 µg/L; methylene chloride 70.1 JB µg/L; and 1,2 dichloroethane, 23.4 J µg/L]
- UST1115-MW09 [benzene, 107 µg/L; and methylene chloride 27.3 JB µg/L] ; and
- UST1115GT-MW09 [benzene, 2.3 µg/L; and 1,2 dichloroethene, 0.50 J µg/L]

Analytical results from the February 2008 sampling event indicated concentrations of COCs above NCGQS in all seven of the intermediate monitoring wells. The following seven wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- UST1115-MW20 [benzene, 3,280 µg/L; and methylene chloride 57.0 JB µg/L]

- UST1115-MW18 [benzene, 3.1 µg/L; methylene chloride 26.7 JB µg/L; 1,2 dichloroethane, 17.3; and 1,2 dichloropropane, 1.2 µg/L]
- UST1115-MW17 [benzene, 442 µg/L; methylene chloride 48.1 JB µg/L; 1,2 dichloroethane, 21.8; and 1,2 dichloropropane, 1.9 J µg/L]
- UST1115-MW14 [benzene, 229 µg/L; methylene chloride 7.0 JB µg/L; 1,2 dichloroethane, 6.3; and 1,2 dichloropropane, 0.97 J µg/L]
- UST1115-MW21 [benzene, 1.7 µg/L]
- UST1115-MW13 [benzene, 40.8 µg/L; 1,2 dichloroethane, 13.5; and 1,2 dichloropropane, 0.76 J µg/L] ; and
- USTHPFFC-MW47 [benzene, 747 µg/L; methylene chloride 35.4 JB µg/L; 1,2 dichloroethane, 24.0 µg/L; 1,2 dichloropropane, 11.6 J µg/L; tetrachloroethylene, 5.9 J µg/L; and trichloroethylene, 190 µg/L]

Analytical results from the February 2008 sampling event indicated concentrations of COCs above NCGQS in all three of the deep monitoring wells. The following three wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- UST1115-MW22 [benzene, 174 µg/L; methylene chloride 12.1 JB µg/L; 1,2 dichloroethane, 4.1 µg/L]
- UST1115-MW24 [benzene, 1.4 µg/L; 1,2 dichloroethane, 25.1 µg/L and 1,2 dichloropropane, 2.2 µg/L] ; and
- UST1115-MW25 [benzene, 3.9 µg/L]

Groundwater natural attenuation parameters and analytical results of the COCs for the February 2008 sampling event are presented in *Tables 4.6 and 4.7.* Historical groundwater analytical results are provided in *Appendix B.* Groundwater analytical results for all monitoring wells are presented on *Figures 4.13(shallow), 4.14(intermediate), and 4.15(deep).* The complete laboratory analytical reports showing all detections are provided in *Appendix E.* The groundwater sample collection field logs are provided in *Appendix D.* Hydrographs compared with analytical results from select monitoring wells that have displayed COCs in excess of NCGQS are provided in *Appendix F*.

4.2.2 HPFF Fuel Farm Area (Southeast Compound)

Groundwater sample collection and analysis was completed in August 2007 and February 2008. The samples were analyzed for Volatile Organic Analysis (VOAs) using Method 8260B and individual parameters are shown in Table 4.3. In August 2007:

- 20 “shallow” monitoring wells (USTHPFF-MW01, USTHPFF-MW06, USTHPFF-MW09, USTHPFF-MW10R, USTHPFF-MW-11, USTHPFF-MW-15, USTHPFF-MW17A, USTHPFF-MW18, USTHPFF-MW19, USTHPFFC-MW01, USTHPFFC-MW02, USTHPFFC-MW03, USTHPFFC-MW05, USTHPFFC-MW15, USTHPFFC-MW19, USTHPFFC-MW20, USTHPFFC-MW31, USTHPFFC-MW38, USTHPFFC-MW72, and UST1101-MW01) were sampled.

- 9 “intermediate” monitoring wells (USTHPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, USTHPFFC-MW60, USTHPFFC-MW63, USTHPFFC-MW66, USTHPFFC-MW70, and USTHPFFC-MW77) were sampled.

- 10 “deep” monitoring wells (USTHPFFC-MW10, USTHPFFC-MW11, USTHPFFC-MW12, USTHPFFC-MW59, USTHPFFC-MW61, USTHPFFC-MW71, IR78-GW17-02, IR78-GW31-02, IR78-GW32-02, and IR78-GW32-03) were sampled.

Analytical results from the August 2007 sampling event indicated concentrations of COCs above NCGQS in 11 of the 20 shallow monitoring wells. The following 11 wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- USTHPFFC-MW20 [benzene, 374 µg/L; ethylbenzene, 1,040 µg/L; toluene, 7,360 µg/L; total xylenes, 599 µg/L; and methylene chloride 13.4 J µg/L]
- USTHPFFC-MW18 [benzene, 15,400 µg/L; ethylbenzene, 1,180 µg/L; toluene, 29,500 µg/L; total xylenes, 7,940 µg/L; chloroform, 84.5 J µg/L; and methylene chloride 443 J µg/L]
- USTHPFF-MW01 [benzene, 4,530 µg/L; ethylbenzene, 2,270 µg/L; toluene, 22,200 µg/L; total xylenes, 13,300 µg/L; chloroform, 75.7 J µg/L; and 1,2 dichloroethane, 104 µg/L]
- USTHPFF-MW17A [benzene, 7,240 µg/L; ethylbenzene, 2,740 µg/L; toluene, 26,600 µg/L; and total xylenes, 7,780 µg/L]
- USTHPFFC-MW15 [benzene, 21,300 µg/L; ethylbenzene, 1,100 µg/L; toluene, 32,700 µg/L; total xylenes, 9,940 µg/L; chloroform, 218 J µg/L; and methylene chloride 1,000 J µg/L]
- USTHPFF-MW11 [1,2 dichloroethane, 41.9 µg/L]

- USTHPFFC-MW72 [benzene, 16,800 µg/L; ethylbenzene, 1,880 µg/L; toluene, 28,400 µg/L; total xylenes, 8,290 µg/L; chloroform, 216 J µg/L; and methylene chloride 1,530 J µg/L]
- USTHPFF-MW15 [benzene, 561 µg/L; ethylbenzene, 3,080 µg/L; toluene, 8,515 µg/L; total xylenes, 16,900 µg/L; and methylene chloride 534 J µg/L]
- USTHPFFC-MW19 [benzene, 13,700 µg/L; ethylbenzene, 970 µg/L; toluene, 11,200 µg/L; total xylenes, 3,350 µg/L; acetone, 5,000 µg/L; chloroform, 81.5 J µg/L; methylene chloride 668 J µg/L; and 1,2 dichloroethane, 2,130 µg/L]
- USTHPFF-MW06 [benzene, 38.1 µg/L] ; and
- USTHPFF-MW10R [benzene, 1,240 µg/L; total xylenes, 1,320 µg/L; methylene chloride 76.9 J µg/L; and 1,2 dichloroethane, 28.6 µg/L]

Analytical results from the August 2007 sampling event indicated concentrations of COCs above NCGQS in five of the 9 intermediate monitoring wells. The following five wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- USTHPFFC-MW08 [benzene, 7,730 µg/L; total xylenes, 979 µg/L; and methylene chloride 26.7 JB µg/L]
- USTHPFFC-MW09 [1,2 dichloroethane, 124]
- USTHPFFC-MW66 [benzene, 3,830 µg/L; and methylene chloride 216 J µg/L]
- USTHPFFC-MW60 [benzene, 6,700 µg/L] ; and
- USTHPFFC-MW07 [benzene, 2.0 µg/L]

Analytical results from the August 2007 sampling event indicated concentrations of COCs above NCGQS in four of the 10 deep monitoring wells. The following four wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- IR78-GW17-02 [benzene, 9.8 µg/L; 1,2 dichloroethane, 7.7 µg/L and 1,2 dichloropropane, 0.52 J µg/L; and tetrachloroethylene, 1.0 µg/L]
- IR78-GW32-03 [benzene, 74.6 µg/L; and total xylenes, 679 µg/L]
- IR78-GW32-02 [benzene, 915 µg/L; ethylbenzene, 705 µg/L; toluene, 2,930 µg/L; total xylenes, 3,200 µg/L] ; and
- USTHPFFC-MW12 [benzene, 47 µg/L]

Groundwater natural attenuation parameters and analytical results of the COCs for the August 2007 sampling event are presented in *Tables 4.8 and 4.9.* Groundwater analytical results for all monitoring wells are presented on *Figures 4.16(shallow), 4.17(intermediate), and 4.18(deep).* Historical groundwater analytical results are provided in *Appendix B.* The groundwater sample collection field logs are provided in *Appendix D.* The complete laboratory analytical reports showing all detections are provided in *Appendix C.* Hydrographs compared with analytical results from select monitoring wells that have displayed COCs in excess of NCGQS are provided in *Appendix F*.

In February 2008:

- 8 "shallow" monitoring wells (USTHPFF-MW01, USTHPFF-MW06, USTHPFF-MW10R, USTHPFF-MW-15, USTHPFF-MW17A, USTHPFFC-MW05, USTHPFFC-MW19, USTHPFFC-MW20 were sampled.

- 5 "intermediate" monitoring wells (USTHPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, and USTHPFFC-MW60) were sampled.

- 5 "deep" monitoring wells (USTHPFFC-MW10, USTHPFFC-MW12, IR78-GW17-02, IR78-GW32-02, and IR78-GW32-03) were sampled. As noted previously, the wells sampled in February 2008 were selected based on BTEX exceedances from the August 2007 sampling.

Monitoring wells USTHPFF-MW18, USTHPFFC-MW15, USTHPFFC-MW72, and USTHPFFC-MW66 were not sampled due to the presence of free product.

Analytical results from the February 2008 sampling event indicated concentrations of COCs above NCGQS in all 8 of the shallow monitoring wells. The following 8 wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- USTHPFFC-MW20 [benzene, 3,210 µg/L; total xylenes, 2,260 µg/L; methylene chloride 136 J µg/L; and 1,2 dichloroethane, 25.1 J µg/L]
- USTHPFF-MW01 [benzene, 3,910 µg/L; ethylbenzene, 2,860 µg/L; toluene, 19,500 µg/L; total xylenes, 13,200 µg/L; and methylene chloride 329 J µg/L]

- USTHPFF-MW17A [benzene, 6,480 µg/L; ethylbenzene, 2,720 µg/L; toluene, 25,200 µg/L; total xylenes, 9,420 µg/L; and methylene chloride 668 J µg/L]
- USTHPFFC-MW05 [benzene, 3.9 µg/L]
- USTHPFF-MW15 [benzene, 422 µg/L; ethylbenzene, 2,280 µg/L; toluene, 5,770 µg/L; total xylenes, 13,300 µg/L; and methylene chloride 259 J µg/L]
- USTHPFFC-MW19 [benzene, 3,760 µg/L; toluene, 2,330 µg/L; total xylenes, 2,040 µg/L; and methylene chloride 80.1 JB µg/L]
- USTHPFF-MW06 [benzene, 92.0 µg/L] ; and
- USTHPFF-MW10R [benzene, 720 µg/L; toluene, 1.420 µg/L; total xylenes, 2,520 µg/L; methylene chloride 60.3 J µg/L; and 1,2 dichloroethane, 6.6 J µg/L]

Analytical results from the February 2008 sampling event indicated concentrations of COCs above NCGQS in all five of the intermediate monitoring wells. The following five wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- USTHPFFC-MW06 [benzene, 14.1 µg/L]
- USTHPFFC-MW08 [benzene, 2,760 µg/L; methylene chloride 73.2 J µg/L; and 1,2 dichloroethane, 26.3 J µg/L]
- USTHPFFC-MW09 [benzene, 15.9 µg/L]
- USTHPFFC-MW60 [benzene, 8,650 µg/L; and methylene chloride 125 JB µg/L] ; and
- USTHPFFC-MW07 [benzene, 11.3 µg/L]

Analytical results from the February 2008 sampling event indicated concentrations of COCs above NCGQS in three of the five deep monitoring wells. The following three wells displayed compounds in excess of North Carolina's Groundwater Quality Standards.

- IR78-GW17-02 [benzene, 9.4 µg/L; and 1,2 dichloroethane, 1.9 µg/L]
- IR78-GW32-02 [benzene, 33.7 µg/L] ; and
- USTHPFFC-MW12 [benzene, 63.6 µg/L]

Groundwater natural attenuation parameters and analytical results of the COCs for the February 2008 sampling event are presented in *Tables 4.10 and 4.11.* Groundwater analytical results for all monitoring wells are presented on *Figures 4.16(shallow),*

4.17(intermediate), and 4.18(deep). Historical groundwater analytical results are provided in *Appendix B.* The groundwater sample collection field logs are provided in *Appendix D.* The complete laboratory analytical reports showing all detections are provided in *Appendix E.* Hydrographs compared with analytical results from select monitoring wells that have displayed COCs in excess of NCGQS are provided in *Appendix F*.

5.0 CONCLUSIONS

5.1 AFVR EVENTS

During this monitoring period from June 2007 through May 2008, a total of 9 AFVR events were completed at the HPFF Fuel Farm Area (Southeast Compound) for a total of 145 gallons recovered from USTHPFFC-MW72, which was the only well that required AFVR events in 2007. During the 2006 monitoring period 55 AFVR events were conducted at USTHPFFC-MW15 and USTHPFFC-MW72 and produced 800 gallons of product.

With the exception of USTHPFFC-MW72, AFVR events have reduced the product thickness to less than 0.6 feet in wells that have historically displayed free product in the HPFF Area. The AFVR events continue to be effective in removing free phase product from the subsurface.

5.2 GROUNDWATER ELEVATION MEASUREMENTS

Groundwater elevations at select monitoring wells were measured during each groundwater sampling event (August 2007 and February 2008).

5.2.1 Building 1115 Area (Northwest Compound)

Groundwater elevation maps produced from groundwater elevations from the August 2007 and February 2008 in the "shallow (< 50 ft)," "intermediate (50-70 ft)," and "deep (> 70 ft)" monitoring wells at the Building 1115 area are presented on *Figures 4.1, 4.2, 4.3, 4.4, 4.5, and 4.6*. During both the August 2007 and February 2008 groundwater monitoring events the shallow groundwater flow direction at the northwest compound appears to have a ridge trending northwest to southeast and groundwater gradient moving to the southwest and northwest with a hydraulic gradient of approximately 0.025 ft/ft for August 2007 and 0.013 ft/ft for February 2008 (*Figures 4.1 and 4.4)*. During both the August 2007 and February 2008 groundwater monitoring events the intermediate and deep groundwater flow direction at the northwest compound appears to have an overall groundwater gradient moving to the west. The hydraulic gradient of the intermediate zone is approximately 0.006 ft/ft and 0.009 ft/ft for the deep zone for August 2007 (*Figures 4.2 and 4.3).* The hydraulic gradients were approximately 0.004 ft/ft for both the intermediate zone and for the deep zone (*Figures 4.5 and 4.6)* for February, 2008.

In general, groundwater elevations observed during 2007-2008 at the northwest compound were one-half to one foot lower than elevations observed during 2006.

5.2.2 HPFF Fuel Farm Area (Southeast Compound)

Groundwater elevation maps produced from groundwater elevations from the August 2007 and February 2008 in the "shallow (< 50 ft)," "intermediate (50-70 ft)," and "deep (> 70 ft)" monitoring wells at the Fuel Farm area are presented on *Figures 4.7, 4.8, 4.9, 4.10, 4.11, and 4.12*. During both the August 2007 and February 2008 groundwater monitoring events the shallow groundwater flow direction at the southeast compound appears to have a ridge trending north to south and groundwater gradient moving to the east and west with a hydraulic gradient of approximately 0.005 ft/ft for both August 2007 and February 2008 (*Figures 4.7 and 4.10)*. During the August 2007 groundwater monitoring event the intermediate groundwater flow direction at the southeast compound appears to have an overall groundwater gradient moving to the northwest with a hydraulic gradient of approximately 0.005 ft/ft (*Figure 4.8)*. The August 2007 groundwater monitoring event for the deep groundwater has an overall groundwater gradient moving to the north with a hydraulic gradient of approximately 0.004 ft/ft (*Figure 4.9)*. During the February 2008 groundwater monitoring event the intermediate groundwater flow direction at the southeast compound appears to have an overall groundwater gradient moving to the northwest with a hydraulic gradient of approximately 0.002 ft/ft (*Figure 4.11)*. The February 2008 groundwater monitoring event for the deep groundwater has an overall groundwater gradient moving to the northwest with a hydraulic gradient of approximately 0.004 ft/ft (*Figure 4.12)*.

In general, groundwater elevations observed during 2007-2008 at the southeast compound were one to one and one-half feet lower than elevations observed during 2006.

5.3 GROUNDWATER ANALYTICAL RESULTS

5.3.1 Building 1115 Area (Northwest Compound)

5.3.1.1 Shallow Monitoring Wells

During the January 2006 and October 2006 sampling events, seven shallow (<50 feet bls) monitoring wells (1115-1, 1115-2, 1115-4, 1115GT-1, 1115GT-7, 1115GT-9, and IR78GW22-2) were sampled. To better define the horizontal extent of contamination in the northwest compound area the number of wells were increased in August 2007, to a total of 15 shallow wells (1115-1, 1115-2, 1115-4, 1115-7, 1115-9, 1115GT-1, 1115GT-

7, 1115GT-9, HPFF-12, HPFF-20, HPFFC-36, HPFFC-39, HPFFC-48, HPFFC-51, and HPFFC-54). Only monitoring wells that displayed compounds in excess of North Carolina's Groundwater Quality Standards for BTEX constituents in August 2007 were sampled in February 2008. Seven shallow monitoring wells (1115-7, 1115-9, 1115GT-7, 1115GT-9, HPFF-12, HPFFC-39, and HPFFC-51) were sampled in February 2008.

Concentrations of COCs decreased significantly in all of the above mentioned shallow monitoring wells from the October 2006 monitoring event to the August 2007 monitoring event. The existing HPFF northwest compound AS/SVE system appears to have decreased concentrations of COCs in the shallow monitoring wells as the air sparging and soil vapor extraction continues. However, high concentrations of COCs were detected in monitoring wells 1115-7, 1115-9, and HPFF-12 in August 2007 which were not sampled in October 2006. These wells were last sampled in July 2002 and at that time, had similar benzene concentrations as found in the August 2007 and February 2008 sampling events.

Groundwater natural attenuation parameters and analytical results from the shallow monitoring wells for the August 2007 and February 2008 sampling event are presented in *Tables 4.4, 4.5, 4.6, and 4.7. Figures 5.1 and 5.2* present the benzene iso-concentration maps from the August 2007 and February 2008 monitoring events. Historical groundwater analytical results are provided in *Appendix B.*

5.3.1.2 Intermediate Monitoring Wells

During the January 2006 and October 2006 sampling events, four intermediate (50-70 feet bls) monitoring wells (1115-13, 1115-17, 1115-18, and 1115-21) were sampled in the northwest compound. The number of wells were increased in August 2007, to a total of 13 intermediate wells (1115-13, 1115-14, 1115-15, 1115-17, 1115-18, 1115-20, 1115 -21, HPFFC-44, HPFFC-47, HPFFC-50, HPFFC-53, HPFFC-73, and HPFFC-76). Only monitoring wells that displayed compounds in excess of North Carolina's Groundwater Quality Standards for BTEX constituents in August 2007 were sampled in February 2008. Seven intermediate monitoring wells (1115-13, 1115-14, 1115-17, 1115-18, 1115-20, 1115 -21, and HPFFC-47) were sampled in February 2008.

Concentrations of COCs decreased in intermediate monitoring wells 1115-13 and 1115-21, and increased in 1115-17 and 1115-18 from the October 2006 monitoring event to the August 2007 monitoring event. However, high concentrations of COCs were detected in monitoring wells 1115-14, 1115-20, and HPFFC-47 in August 2007 which were not sampled in October 2006. These wells were last sampled in 2002 and benzene

concentrations have decreased in monitoring wells 1115-14 (6,700 µg/L to 170 µg/L) and HPFFC-47 (1,300 µg/L to 993 µg/L), and increased in monitoring well 1115-20 (15,000 µg/L to 18,700 µg/L) from 2002 to the August 2007 sampling event. The benzene concentrations do not change significantly from the August 2007 to the February 2008 sampling event with the exception of a big drop in monitoring well 1115-20 (18,700 µg/L to 3,280 µg/L). The existing HPFF northwest compound AS/SVE system appears to have decreased concentrations of COCs in the intermediate monitoring wells as the air sparging and soil vapor extraction continues. However, higher dissolved contaminant concentrations in some of the intermediate wells have been observed and may be attributed to the new HPFF Bio-Pulse Air Sparge System events pushing deeper contaminants up into the intermediate zone.

Groundwater natural attenuation parameters and analytical results from the intermediate Type III monitoring wells for the August 2007 and February 2008 sampling event are presented in *Tables 4.4, 4.5, 4.6, and 4.7. Figures 5.3 and 5.4* present the benzene iso-concentration maps from the August 2007 and February 2008 monitoring events. Historical groundwater analytical results are provided in *Appendix B.*

5.3.1.3 Deep Monitoring Wells

During the January 2006 and October 2006 sampling events, four deep (>70 feet bls) monitoring wells (1115-22, 1115-23, 1115-24, and 1115-25) were sampled in the northwest compound. The number of wells was increased in August 2007, to a total of 9 deep wells (1115-22, 1115-23, 1115-24, 1115-25, HPFFC-13, HPFFC-43, HPFFC-55, HPFFC-56, and HPFFC-74). Only monitoring wells that displayed compounds in excess of North Carolina's Groundwater Quality Standards for BTEX constituents in August 2007 were sampled in February 2008. Three deep monitoring wells (1115-22, 1115-24, and 1115-25) were sampled in February 2008.

Concentrations of COCs decreased in all four deep monitoring wells 1115-22, 1115-23, 1115-24, and 1115-25 from the October 2006 monitoring event to the August 2007 monitoring event. In addition, benzene concentrations below the laboratory detection limits (BDL) were observed in monitoring wells HPFFC-13, HPFFC-43, HPFFC-55, HPFFC-56, and HPFFC-74 in August 2007 which were not sampled in October 2006. These wells were last sampled in 2002 and benzene concentrations have remained BDL since then with the exception of a decrease in monitoring well HPFFC-13 (160 µg/L to <1.0 µg/L).

A reduction in dissolved contaminant concentrations in the deep wells has been observed and could be attributed to the new HPFF Bio-Pulse Air Sparge System cycling events.

Groundwater natural attenuation parameters and analytical results from the deep Type III monitoring wells for the August 2007 and February 2008 sampling event is presented in *Tables 4.4, 4.5, 4.6, and 4.7. Figures 5.5 and 5.6* present the benzene iso-concentration maps from the August 2007 and February 2008 monitoring events. Historical groundwater analytical results are provided in *Appendix B.*

5.3.1.4 Groundwater Analytical Results Summary

It appears that free-phase product has been removed from the groundwater surface in the Building 1115/Northwest Compound of the site. This is evidenced by the absence of AFVR events dating back to 2000 and the decreasing trend of dissolved COCs in the "shallow" (less than 50 feet bls) surficial aquifer. The existing HPFF northwest compound AS/SVE system appears to have decreased concentrations of COCs in the shallow monitoring wells as the air sparging and soil vapor extraction continues.

The "intermediate" (50 to 70 feet bls) zone continues to display the highest dissolved concentrations of COCs. The higher dissolved contaminant concentrations have been observed in some of the intermediate wells and may be attributed to the new HPFF Bio-Pulse Air Sparge System cycling events pushing deeper contaminants up into the intermediate zone. However, the current AS/SVE system is operating as expected to reduce contaminant levels in the intermediate wells. This also indicates that natural attenuation is occurring at a much slower rate at depths greater than 50 feet bls. As concentrations of COCs in the "shallow" zone continue to decrease, the deeper zones (intermediate and deep) should begin to demonstrate a similar trend.

The "deep" (greater than 70 feet deep) zone has displayed the best decreasing trend of dissolved concentrations of COCs. Implementation of the bio-pulse remediation system that began in September 2006 appears to have a positive effect of reducing the COC concentration in the deep aquifer zone.

5.3.2 HPFF Fuel Farm Area (Southeast Compound)

5.3.2.1 Shallow Monitoring Wells

During the January 2006 and October 2006 sampling events, nine shallow (<50 feet bls) monitoring wells (HPFFC-MW01, HPFFC-MW05, HPFFC-MW19, HPFFC-MW20,

HPFF-MW01, HPFF-MW10R, HPFF-MW-11, HPFF-MW17A, and HPFF-MW18) were sampled. To better define the horizontal extent of contamination in the southeast compound area the number of wells were increased in August 2007, to a total of 20 shallow wells (HPFF-MW01, HPFF-MW06, HPFF-MW09, HPFF-MW10R, HPFF-MW-11, HPFF-MW-15, HPFF-MW17A, HPFF-MW18, HPFF-MW19, HPFFC-MW01, HPFFC-MW02, HPFFC-MW03, HPFFC-MW05, HPFFC-MW15, HPFFC-MW19, HPFFC-MW20, HPFFC-MW31, HPFFC-MW38, HPFFC-MW72, and 1101-MW01). Only monitoring wells that displayed compounds in excess of North Carolina's Groundwater Quality Standards for BTEX constituents in August 2007 were sampled in February 2008. Eight shallow monitoring wells (HPFF-MW01, HPFF-MW06, HPFF-MW10R, HPFF-MW-15, HPFF-MW17A, HPFFC-MW05, HPFFC-MW19, and HPFFC-MW20) were sampled in February 2008. Monitoring wells HPFF-MW18, HPFFC-MW15, and HPFFC-MW72 were not sampled in February 2008 due to the presence of free product. These monitoring wells have always either had free product or high dissolved concentrations.

Concentrations of COCs decreased in shallow monitoring wells HPFFC-MW01, HPFFC-MW05, HPFFC-MW20, HPFF-MW10R, and HPFF-MW-11 and increased in monitoring wells HPFFC-MW19, HPFF-MW01, HPFF-MW17A, and HPFF-MW18 from the October 2006 monitoring event to the August 2007 monitoring event. These changes in concentrations have decreased the overall size of the plume but have increased concentrations in the central part of the plume. Benzene concentrations were BDL in monitoring wells HPFF-MW09, HPFF-MW19, HPFFC-MW02, HPFFC-MW03, HPFFC-MW31, HPFFC-MW38, and 1101-MW01 in August 2007 which were not sampled in October 2006. These wells were last sampled in 2002 and benzene concentrations have remained BDL since then with the exception of a decrease in monitoring well HPFF-19 (210 µg/L to <1.0 µg/L). In general most of the wells decreased further in COC concentrations from August 2007 to February 2008 with the exception of monitoring well HPFFC-MW20 and the three wells that had free product (HPFF-MW18, HPFFC-MW15, and HPFFC-MW72).

Groundwater natural attenuation parameters and analytical results from the shallow monitoring wells for the August 2007 and February 2008 sampling event is presented in *Tables 4.8, 4.9, 4.10, and 4.11. Figures 5.7 and 5.8* present the benzene iso-concentration maps from the August 2007 and February 2008 monitoring events. Historical groundwater analytical results are provided in *Appendix B.*

5.3.2.2 Intermediate Monitoring Wells

During the January 2006 and October 2006 sampling events, three intermediate (50 to 70 feet bls) monitoring wells (HPFFC-MW07, HPFFC-MW08, and HPFFC-MW09) were sampled in the southeast compound. The number of wells was increased in August 2007, to a total of 9 intermediate monitoring wells (HPFFC-MW06, HPFFC-MW07, HPFFC-MW08, HPFFC-MW09, HPFFC-MW60, HPFFC-MW63, HPFFC-MW66, HPFFC-MW70, and HPFFC-MW77). Only monitoring wells that displayed compounds in excess of North Carolina's Groundwater Quality Standards for BTEX constituents in August 2007 were sampled in February 2008. Five intermediate monitoring wells (HPFFC-MW06, HPFFC-MW07, HPFFC-MW08, HPFFC-MW09, and HPFFC-MW60) were sampled in February 2008. Monitoring well HPFFC-MW66 was not sampled due to the presence of free product (0.01 ft) in February 2008 for the first time.

Concentrations of COCs decreased in intermediate monitoring wells HPFFC-MW07 and HPFFC-MW09 and increased in monitoring well HPFFC-MW08 from the October 2006 monitoring event to the August 2007 monitoring event. As in the shallow wells these changes in concentrations have decreased the overall size of the plume but have increased concentrations in the central part of the plume. Benzene concentrations were BDL in monitoring wells HPFFC-MW09, HPFFC-MW63, HPFFC-MW70, and HPFFC-MW77 in August 2007 which were not sampled in October 2006 except for monitoring well HPFFC-MW09. Monitoring wells HPFFC-MW06, HPFFC-MW60, HPFFC-MW66, HPFFC-MW70, and HPFFC-MW77 were last sampled in 2002/2003 and benzene concentrations have remained BDL in monitoring wells HPFFC-MW06, HPFFC-MW63, HPFFC-MW70, and HPFFC-MW77 from 2002/2003 to August 2007. There was a decrease in benzene concentrations in monitoring well HPFFC-MW63 and an increase in concentrations at monitoring wells HPFFC-MW60 and HPFFC-MW66.

Monitoring well HPFFC-MW08 decreased in COC concentrations and monitoring wells HPFFC-MW06, HPFFC-MW07, HPFFC-MW09, and HPFFC-MW60 increased in COC concentrations from August 2007 to February 2008 and monitoring well HPFFC-MW66 had free product in February 2008. The higher dissolved contaminant concentrations in some of the intermediate wells have been observed and may be attributed to the new HPFF Bio-Pulse Air Sparge System events pushing deeper contaminants up into the intermediate zone. However, the current AS/SVE system is operating as expected to reduce contaminant levels in the intermediate wells. This also indicates that natural attenuation is occurring at a much slower rate at depths greater than 50 feet bls.

Groundwater natural attenuation parameters and analytical results from the intermediate monitoring wells for the August 2007 and February 2008 sampling event is presented in *Tables 4.8, 4.9, 4.10, and 4.11. Figures 5.9 and 5.10* present the benzene iso-concentration maps from the August 2007 and February 2008 monitoring events. Historical groundwater analytical results are provided in *Appendix B.*

5.3.2.3 Deep Monitoring Wells

During the January 2006 and October 2006 sampling events, only one deep (>70 feet bls) monitoring well HPFFC-MW11 was sampled in the southeast compound. The number of wells was increased in August 2007, to a total of 10 deep monitoring wells (HPFFC-MW10, HPFFC-MW11, HPFFC-MW12, HPFFC-MW59, HPFFC-MW61, HPFFC-MW71, GW17-02, GW31-02, GW32-02, and GW32-03). Only monitoring wells that displayed compounds in excess of North Carolina's Groundwater Quality Standards for BTEX constituents in August 2007 were sampled in February 2008. Five deep monitoring wells (HPFFC-MW10, HPFFC-MW12, GW17-02, GW32-02, and GW32-03) were sampled in February 2008.

Concentrations of COCs decreased in deep monitoring well HPFFC-MW11 from the October 2006 monitoring event to the August 2007 monitoring event. Benzene concentrations were BDL in monitoring wells HPFFC-MW59, HPFFC-MW61, HPFFC-MW71, and GW31-02 in August 2007 which were not sampled in October 2006. Monitoring wells GW32-02 and GW32-03 were last sampled in 2005 and benzene concentrations have increased in both of these monitoring wells. Monitoring wells HPFFC-MW10, HPFFC-MW12, HPFFC-MW59, HPFFC-MW61, HPFFC-MW71, GW17-02, and GW31-02 were last sampled in 2002 and benzene concentrations have remained BDL in monitoring wells HPFFC-MW61, HPFFC-MW71, and GW31-02, decreased in monitoring wells HPFFC-MW10 and HPFFC-MW12, and increased in monitoring well GW17-02. Monitoring wells HPFFC-MW10, GW32-02, GW32-03, and GW17-02 decreased and monitoring well HPFFC-MW12 increased from August 2007 to February 2008. The HPFF Bio-Pulse Air Sparge System appears to have decreased the concentrations of COCs in the deep monitoring wells overall and the bio-pulsing events should continue.

Groundwater natural attenuation parameters and analytical results from the intermediate monitoring wells for the August 2007 and February 2008 sampling event is presented in *Tables 4.8, 4.9, 4.10, and 4.11. Figures 5.11 and 5.12* present the benzene iso-

concentration maps from the August 2007 and February 2008 monitoring events. Historical groundwater analytical results are provided in *Appendix B.*

5.3.2.4 Groundwater Analytical Results Summary

Free-phase product continues to persist on the groundwater surface in isolated areas of the southeast compound area. Free product was detected in monitoring wells HPFF-MW18, HPFFC-MW15, HPFFC-MW66, and HPFFC-MW72 and recovery wells RW5 and MW16R during this monitoring period. When free product is detected in a monitoring well in excess of 0.6 feet an AFVR event is performed at that monitoring well. The number of AFVR events performed at a particular well throughout the year is a good indicator of the volume of product remaining in the vicinity of a monitoring well (i.e., fewer numbers of AFVR events means longer product recharge time, indicating less free product in the area of the well). Free product was not observed in USTHPFFC-MW02, USTHPFF-MW18, and USTHPFF-MW12 during this monitoring period.

AFVR events in select wells have reduced free product thickness in the wells during the 2007 and 2008 monitoring period. The thickness ranged from sheen to 13.1 feet in USTHPFFC-MW72. High concentrations of dissolved-phase COCs will continue to persist in the shallow groundwater until the free-phase product has been removed. AFVR events will continue to be performed on monitoring wells displaying the presence of free-phase product.

The “shallow” (<50 feet bls) zone COC concentrations have gone down in most of the monitoring wells in the southeast compound area decreasing the overall size of the plume. However, there are increased concentrations in the central part of the plume. The existing HPFF southeast compound AS/SVE system appears to have decreased concentrations of COCs in the shallow monitoring wells (<50 feet bls) as the air sparging and soil vapor extraction continues.

The “intermediate” (50 to 70 feet bls) zone continues to display high dissolved concentrations of COCs. The higher dissolved contaminant concentrations in some of the intermediate wells have been observed and may be attributed to the new HPFF Bio-Pulse Air Sparge System events pushing deeper contaminants up into the intermediate zone. However, recovery well (HPFF-75) is pumping groundwater from this intermediate well zone providing hydraulic containment and treatment of the groundwater at the GWTP, and the current AS/SVE system is operating as expected to reduce contaminant levels in the intermediate wells.

While concentrations continue to exceed NCGQS in the “deep” (greater than 70 feet bls) zone, a decreasing trend has developed. The “deep” (greater than 70 feet deep) zone has displayed the best decreasing trend of dissolved concentrations of COCs. Implementation of the bio-pulse remediation system that began in September 2006 has increased the dissolved oxygen (DO) concentration in the deep aquifer zone. The increased DO concentration has stimulated microbial activity leading to increased degradation of the deep contaminant plume. The bio-pulse air sparging events have reduced the higher dissolved COCs in the deeper groundwater zones. Therefore, additional "deep" monitoring wells are not required to delineate the vertical extent of dissolved contaminants at the site at this time.

5.3.2.5 Groundwater Treatment Plant

The groundwater treatment plant at the southeast compound has operated at about 90% of the time at 30 gpm. The groundwater treatment plant accommodates the groundwater withdrawn from Well HPFF-75. The treatment plant effluent is tested monthly and has met the permitted discharge parameters. Pumping well HPFF-75 was designated to provide hydraulic containment of the intermediate zone plume. Well HPFF-75 is 80 feet deep, screened between 55 and 75 feet, and the pump is set at 75 feet. The ground water contour map for the SE Area for August 2007 indicates that the withdraw well is developing approximately a half foot of drawdown within a 200 foot radius of Well HPFF-75 in the intermediate zone. However, the ground water contour map for the SE Area for the intermediate zone indicates that hydraulic containment of the intermediate zone is not present in February 2008.

6.0 RECOMMENDATIONS

6.1 BIO-PULSE

Shaw implemented the HPFF bio-pulse air sparge system as recommended in the RCAP by initiating the first bio-pulse cycle of the 25 bio-pulse wells in September 2006. The bio-pulse event for each well was 24 hours in duration. Shaw performed routine air monitoring of the interiors and exteriors of the select buildings within the bio-pulse sphere of influence.

CATLIN prepared an *Operational Addendum to Corrective Action Plan for Hadnot Point Fuel Farm*, dated March 2007 which was an evaluation of the first bio-pulse cycle event performed by Shaw in the last quarter of 2006. The report recommended reducing the next round of bio-pulse sparging in each well from 24 hours to a range of 2 hours to a 24 hour duration event depending on the well. Shaw is now utilizing a continuous flow meter with recorder to prepare an air flow versus time graph for each individual sparge well. A Revised Operations Plan was prepared in late October 2007 after 3 bio-pulse cycles and the Revised Plan modified the durations of the bio-pulse for each well, all still within the 2 hour to 24 hour duration. The new data will be used to evaluate each well for the maximum effectiveness. Specific recommendations will be made semi-annually. Shaw recommends continuing the bio-pulse operation to reduce the COC contamination at the site.

As of April 2008, no above normal FID readings have been detected within Building 1101 or the other five buildings during bio-pulse events. Shaw recommends maintaining the weekly air monitoring in Building 1101 and reducing the air monitoring at the other five buildings to a monthly basis.

6.2 BUILDING 1115 AREA (NORTHWEST COMPOUND)

The HPFF bio-pulse air sparge events are now combined with the existing AS/SVE remedial system to accelerate the natural attenuation process at the northwest compound. The use of both processes will now increase the dissolved oxygen concentration in the groundwater in the intermediate and deep zones. Shaw recommends continuing to operate the AS / SVE system at the Northwest Compound.

As concentrations of COCs in the "shallow" zone continue to decrease from the existing AS/SVE remedial system, the deeper zones have begun to demonstrate a similar trend from the bio-pulse air sparging events. To assist in the evaluation of natural attenuation processes, groundwater samples should be analyzed for the following natural attenuation parameters in the new selected monitoring wells:

- Field Screened: temperature, conductivity, turbidity, pH, dissolved oxygen, and oxidation-reduction parameters (ORP)

The following 37 monitoring wells should be sampled during the August 2008 semi-annual monitoring event scheduled and all of the wells that indicate detected BTEX constituents should be sampled during the February 2009 semi-annual monitoring event:

- Type II monitoring wells: Fifteen monitoring wells (UST1115GT-MW01, UST1115GT-MW07, UST1115GT-MW09, UST1115-MW01, UST1115-MW02, UST1115-MW04, UST1115-MW07, UST1115-MW09, USTHPFF-MW12, USTHPFF-MW20, USTHPFFC-MW36, USTHPFFC-MW39, USTHPFFC-MW48, USTHPFFC-MW51, and USTHPFFC-MW54) will be sampled. The samples will be analyzed for VOAs using EPA Method 8260B and the above-listed natural attenuation parameters.
- Type III "intermediate" monitoring wells: Thirteen monitoring wells (UST1115-MW13, UST1115-MW14, UST1115-MW15, UST1115-MW17, UST1115-MW18, UST1115-MW20, UST1115-MW21, USTHPFFC-MW44, USTHPFFC-MW47, USTHPFFC-MW50, USTHPFFC-MW53, USTHPFFC-MW73, and USTHPFFC-MW76) will be sampled. The samples will be analyzed for VOAs using EPA Method 8260B and the above-listed natural attenuation parameters.
- Type III "deep" monitoring wells: Nine monitoring wells (UST1115-MW22, UST1115-MW23, UST1115-MW24, UST1115-MW25, USTHPFFC-MW13, USTHPFFC-MW43, USTHPFFC-MW55, USTHPFFC-MW56, and USTHPFFC-MW74) will be sampled. The samples will be analyzed for VOAs using EPA Method 8260B and the above-listed natural attenuation parameters.

A depth to groundwater/product survey should be completed at select monitoring wells at the site during each of the semi-annual events. The survey will be performed just prior to each of the semi-annual sampling events. Results of this survey will provide a comprehensive groundwater elevation contour map of the site, as well as the current extent of free phase product.

Analytical results from the 2008-2009 sampling events will be reviewed and recommendations for future remedial work at the site should be developed as appropriate. *Table 6.1* presents the monitoring wells to be sampled and analytical parameters for the semi-annual sampling events.

6.3 HPFF FUEL FARM AREA (SOUTHEAST COMPOUND)

Shaw recommends continuing AFVR events at select monitoring wells that demonstrate the presence of free-phase product as needed. At a minimum, the following monitoring wells will be gauged bi-weekly for the presence of free-phase product: USTHPFFC-MW15, USTHPFFC-MW72, USTHPFF-MW12, USTHPFF-MW02, USTHPFF-MW15, and USTHPFF-MW18. Well HPFF-72 should have an AFVR performed bi-weekly despite the gauging event not indicating any free product.

Natural attenuation processes may be equally as effective as observed at the Northwest Compound, however, due to the persistence of free-phase product at the site that continually contributes to the dissolved phase concentrations, a net reduction in concentration is not occurring. High dissolved BTEX concentrations have continued to persist, particularly in the vicinity of free phase product. Once free product has been removed from the subsurface, a similar trend as that observed in the northwest compound should develop.

The HPFF bio-pulse air sparge events have now been combined with the existing AS/SVE remedial system to accelerate the natural attenuation process at the southeast compound. The use of both processes has now increased the dissolved oxygen concentration in the groundwater in the intermediate and deep zones.

To assist in the evaluation of natural attenuation processes, the following natural attenuation parameters should be analyzed for in select monitoring wells:

- Field Screened: temperature, conductivity, turbidity, pH, dissolved oxygen, and oxidation-reduction parameters (ORP)

The following 39 monitoring wells should be sampled during the August 2008 semi-annual monitoring event and all of the wells that indicate detected BTEX constituents should be sampled during the February 2009 semi-annual monitoring event:

- Type II monitoring wells: Twenty monitoring wells (USTHPFF-MW01, USTHPFF-MW06, USTHPFF-MW09, USTHPFF-MW10R, USTHPFF-MW-11, USTHPFF-MW15, USTHPFF-MW17A, USTHPFF-MW18, USTHPFF-MW19, USTHPFFC-MW01, USTHPFFC-MW02, USTHPFFC-MW03, USTHPFFC-MW05, USTHPFFC-MW15, USTHPFFC-MW19, USTHPFFC-MW20, USTHPFFC-MW31, USTHPFFC-MW38, USTHPFFC-MW72, and UST1101-MW01) will be sampled. The samples will be analyzed for VOAs using EPA Method 8260B and the above-listed natural attenuation parameters.
- Type III "intermediate" monitoring wells: Nine monitoring wells (USTHPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, USTHPFFC-MW60, USTHPFFC-MW63, USTHPFFC-MW66, USTHPFFC-MW70, and USTHPFFC-MW77) will be sampled. The samples will be analyzed for VOAs using EPA Method 8260B and the above-listed natural attenuation parameters.
- Type III "deep" monitoring wells: Ten monitoring wells (USTHPFFC-MW10, USTHPFFC-MW11, USTHPFFC-MW12, USTHPFFC-MW59, USTHPFFC-MW61, USTHPFFC-MW71, IR78GW17-02, IR78GW31-02, IR78GW32-02, and IR78GW32-03) will be sampled. The samples will be analyzed for VOAs using EPA Method 8260B and the above-listed natural attenuation parameters.

A depth to groundwater/product survey should be completed at the select monitoring wells during the semi-annual events. The survey will be performed just prior to each of the semi-annual sampling events. This survey will provide a comprehensive groundwater elevation contour map of the site, as well as the current extent of free phase product.

Analytical results from the 2008-2009 sampling events should be reviewed and recommendations for future remedial work at the site should be developed as appropriate. *Table 6.2* presents the monitoring wells to be sampled and analytical parameters for the August 2008 semi-annual sampling event. The new data from the Bio-pulse events will be used to evaluate each well for the maximum effectiveness. Specific recommendations will be made semi-annually by Catlin.

Shaw recommends continuing operation of the GWTP at 30 GPM to maintain the current containment of the horizontal extent of the hydrocarbon plume at HPFF intermediate zone.

Shaw recommends continuing operation of the AS/SVE and Catox system in accordance with the RCAP and NCDENR requirements.

7.0 REFERENCES

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U.S. Environmental Protection Agency, 2000, *Guidance for Data Quality Assessment, Practical Methods for Data Analysis, EPA QA/G-9, QA00 Update*, Office of Environmental Information, EPA/600/R-96/084, July, 2000.

TABLES

TABLE 2.1*
MCB CAMP LEJEUNE
Site Rehabilitation Goals

MEDIUM	COMPONENTS	2004 CONDITIONS	2005 CONDITIONS	2006 CONDITIONS	2007 CONDITIONS	TARGET CLEANUP
Free Product	Gasoline/Diesel	Free product up to 1.16' (16R), 1.61' (RW5), and 16' (HPFF-72)	Free product up to 1.04' (16R), 1.2' (RW5), and 14.7' (HPFF-72)	Free product up to 3.16' (16R), 3.10' (RW5), and 16.4' (HPFF-72)	Free product up to 0.73' (16R), 1.11' (RW5), and 13.1' (HPFF-72)	≤0.01'
Vadose Zone Soil	TPH 3550/5030	TPH soil contamination was measured in November 1992 at levels that range from< 1 mg/kg to 2,700 mg/kg.				≤10 mg/kg ≤10 mg/kg
Groundwater	Benzene Ethylbenzene Toluene Xylenes (Total) Naphthalene	12,900 µg/l 3,580 µg/l 27,100 µg/l 16,500 µg/l 700 µg/l	12,800 µg/l 1,980 µg/l 28,400 µg/l 17,200 µg/l 542 µg/l	12,100 µg/l 2,850 µg/l 26,100 µg/l 13,100 µg/l 473 µg/l	21,300 µg/l 3,080 µg/l 32,700 µg/l 16,900 µg/l Not Analyzed	1 µg/l 550 µg/l 1,000 µg/l 530 µg/l 21 µg/l

*"Final Corrective Action Plan, Leaking Underground Storage Tank, Hadnot Point Fuel Farm/Building 1115", Camp Lejeune, North Carolina, CATLIN Engineers and Scientists, April 30, 1998, Table 3.1.

Table 3.1
Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparge / Soil Vapor Extraction System
MCB Camp Lejeune - Hadnot Point Fuel Farm, North West
SVE Stack

Date	Time	SVE Blower Hour Meter (Hrs)	TH Conc ($PPM_{measured}$) (PPMv)	Vapor Velocity (V) (ft/min)	Absolute Temperature (Rankine)	Calculated Vapor Flowrate (Q) (SCFM)	TH Conc (C) (mg/l)	TH Recovery Rate (M) (lb/day)	Cumulative Mass of Hydrocarbons Recovered (lbs)	Comments
01/03/06	11:00	45189	14	8400	541	721	0.07	4.81	15727.42	
01/12/06	10:30	45355	17	6900	550	583	0.09	4.72	15760.35	
01/17/06	9:30	45474	22	7100	558	591	0.12	6.19	15787.38	
01/24/06	16:35	45636	10	7200	555	602	0.05	2.87	15817.93	
02/02/06	12:00	45771	14	6900	558	574	0.07	3.83	15836.75	
02/08/06	13:10	45897	21	7300	544	623	0.11	6.23	15863.15	
02/17/06	9:30	46093	13	7100	553	596	0.07	3.69	15903.66	
02/24/06	9:05	46259	25	7600	548	644	0.13	7.67	15942.93	
03/02/06	11:00	46365	17	6600	573	535	0.09	4.33	15969.41	
03/08/06	15:30	46462	37	7100	548	602	0.20	10.60	15999.58	
03/14/06	12:45	46605	21	6800	562	562	0.11	5.62	16047.88	
03/21/06	12:15	46758	14	7300	547	620	0.07	4.13	16078.96	
03/28/06	14:15	46929	9	7100	554	595	0.05	2.55	16102.76	
04/05/06	15:20	47121	12	6800	567	557	0.06	3.18	16125.68	
04/14/06	13:00	47310	12	6700	576	540	0.06	3.08	16150.34	
04/18/06	10:30	47342	23	6700	553	563	0.12	6.16	16156.51	
04/25/06	12:00	47450	7	6800	558	566	0.04	1.89	16174.61	
05/02/06	12:00	47518	9	7100	564	584	0.05	2.50	16180.83	
05/10/06	10:30	47610	11	6400	566	525	0.06	2.75	16190.89	
05/15/06	11:15	47730	6	6500	572	528	0.03	1.51	16201.53	
05/22/06	13:00	47901	15	6300	570	513	0.08	3.66	16219.95	
06/02/06	16:30	48167	11	6400	576	516	0.06	2.70	16255.22	
06/06/06	9:30	48256	11	6800	566	558	0.06	2.92	16265.64	
06/12/06	14:30	48406	15	6700	579	537	0.08	3.84	16286.75	
06/20/06	9:35	48592	13	6400	577	515	0.07	3.19	16313.96	
06/29/06	15:40	48770	17	6800	584	541	0.09	4.38	16342.00	
07/06/06	16:40	48825	19	6300	574	510	0.10	4.61	16352.30	
07/12/06	9:35	48939	12	6200	582	495	0.06	2.83	16369.96	
07/19/06	17:05	49113	10	7000	585	556	0.05	2.64	16389.79	
07/26/06	17:30	49258	14	7100	568	581	0.07	3.87	16409.47	
08/04/06	11:20	49427	16	6600	585	524	0.09	3.99	16437.14	
08/08/06	12:00	49526	12	7400	584	589	0.06	3.36	16452.31	
08/15/06	11:00	49693	15	7100	587	562	0.08	4.01	16477.96	
08/22/06	13:10	49856	17	6300	575	509	0.09	4.11	16505.55	
08/29/06	8:00	50001	13	6700	576	540	0.07	3.34	16528.07	

Table 3.1
Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparge / Soil Vapor Extraction System
MCB Camp Lejeune - Hadnot Point Fuel Farm, North West
SVE Stack

Date	Time	SVE Blower Hour Meter (Hrs)	TH Conc ($PPM_{measured}$) (PPMv)	Vapor Velocity (V) (ft/min)	Absolute Temperature (Rankine)	Calculated Vapor Flowrate (Q) (SCFM)	TH Conc (C) (mg/l)	TH Recovery Rate (M) (lb/day)	Cumulative Mass of Hydrocarbons Recovered (lbs)	Comments
09/06/06	16:00	50071	18	6800	571	553	0.10	4.74	16539.86	
09/12/06	10:05	50116	10	6600	559	548	0.05	2.61	16546.75	
09/23/06	10:35	50297	13	6800	575	549	0.07	3.40	16569.40	
09/26/06	15:15	50375	18	7900	577	636	0.10	5.45	16583.77	
10/04/06	8:40	50559	8	7800	561	646	0.04	2.46	16614.08	
10/11/06	15:05	50697	16	8400	573	680	0.09	5.18	16636.05	
10/18/06	15:20	50863	10	8300	574	672	0.05	3.20	16665.02	
10/25/06	12:30	51028	14	7500	557	625	0.07	4.17	16690.34	
10/31/06	15:45	51174	7	7600	569	620	0.04	2.07	16709.30	
11/06/06	11:40	51314	14	7400	555	619	0.07	4.13	16727.37	
11/13/06	9:05	51453	30	6700	556	560	0.16	7.99	16762.46	
11/22/06	9:30	51632	4	7600	524	673	0.02	1.28	16797.05	
11/28/06	12:30	51746	12	8200	578	659	0.06	3.76	16809.03	
12/05/06	14:30	51876	14	7800	549	660	0.07	4.40	16831.12	
12/12/06	15:15	52044	7	7500	563	619	0.04	2.06	16853.73	
12/18/06	15:00	52188	3	7300	568	597	0.02	0.85	16862.48	
12/29/06	10:30	52373	2	7600	562	628	0.01	0.60	16868.07	
01/02/07	10:35	52398	5	7300	557	609	0.03	1.45	16869.14	
01/10/07	16:25	52511	6	7100	553	596	0.03	1.70	16876.55	
01/16/07	14:05	52613	5	6900	550	583	0.03	1.39	16883.12	
01/24/07	14:00	52761	8	7100	546	604	0.04	2.30	16894.49	
01/31/07	16:25	52811	3	7400	537	640	0.02	0.91	16897.84	
02/07/07	16:45	52866	11	7000	538	605	0.06	3.16	16902.51	
02/14/07	11:55	52985	8	7400	544	632	0.04	2.41	16916.32	
02/20/07	14:00	53121	13	8200	563	677	0.07	4.19	16935.00	
02/28/07	14:40	53298	15	8000	559	665	0.08	4.75	16967.94	
03/07/07	13:40	53374	11	7900	556	660	0.06	3.46	16980.93	
03/15/07	10:15	53476	21	7600	554	637	0.11	6.37	17001.81	
03/20/07	10:45	53535	16	7600	560	630	0.09	4.80	17015.53	
03/26/07	16:15	53654	18	7400	555	619	0.10	5.31	17040.59	
04/04/07	14:50	53866	13	7100	573	576	0.07	3.56	17079.75	
04/10/07	12:05	53979	21	7300	555	611	0.11	6.11	17102.51	
04/18/07	12:30	54097	10	7500	552	631	0.05	3.00	17124.91	
04/24/07	12:30	54241	16	7400	568	605	0.09	4.61	17147.75	

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Air Sparge / Soil Vapor Extraction System
MCB Camp Lejeune - Hadnot Point Fuel Farm, North West
SVE Stack

Date	Time	SVE Blower Hour Meter (Hrs)	TH Conc ($PPM_{measured}$) (PPMv)	Vapor Velocity (V) (ft/min)	Absolute Temperature (Rankine)	Calculated Vapor Flowrate (Q) (SCFM)	TH Conc (C) (mg/l)	TH Recovery Rate (M) (lb/day)	Cumulative Mass of Hydrocarbons Recovered (lbs)	Comments
05/04/07	13:15	54470	12	7400	554	620	0.06	3.54	17186.65	
05/09/07	14:00	54590	20	7500	570	611	0.11	5.82	17210.05	
05/17/07	13:30	54782	19	7600	555	636	0.10	5.75	17256.33	
05/23/07	13:15	54925	9	7200	567	590	0.05	2.53	17281.00	
05/31/07	10:30	55041	17	7600	569	620	0.09	5.02	17299.23	
06/07/07	11:10	55210	14	7800	576	629	0.07	4.19	17331.65	
06/13/07	12:45	55356	19	7600	567	623	0.10	5.63	17361.53	
06/21/07	13:30	55520	23	7600	578	611	0.12	6.69	17403.61	
06/27/07	13:05	55664	24	7700	581	616	0.13	7.03	17444.76	
07/06/07	11:25	55877	17	7900	580	633	0.09	5.12	17498.68	
07/13/07	10:10	56042	32	7800	568	638	0.17	9.72	17549.68	
07/19/07	10:50	56153	26	8100	577	652	0.14	8.07	17590.80	
07/26/07	14:50	56266	22	8100	580	649	0.12	6.79	17625.79	
08/02/07	14:45	56423	27	7900	577	636	0.14	8.17	17674.74	
08/09/07	10:20	56586	33	7900	578	635	0.18	9.97	17736.37	No data 08/16/07 or 08/24/07 Sampling in Area
08/31/07	12:30	56723	18	7600	566	624	0.10	5.34	17780.08	
09/07/07	10:05	56838	28	7600	575	614	0.15	8.18	17812.49	
09/13/07	10:30	56947	22	7800	566	640	0.12	6.70	17846.29	
09/20/07	11:30	57078	25	8100	565	666	0.13	7.93	17886.22	
09/28/07	11:00	57274	23	8200	578	659	0.12	7.21	17948.04	
10/05/07	13:00	57419	26	8300	572	674	0.14	8.34	17995.04	
10/11/07	11:30	57558	23	8100	561	671	0.12	7.34	18040.46	
10/17/07	10:30	57652	21	7800	564	642	0.11	6.42	18067.42	
10/22/07	10:15	57742	16	8100	564	667	0.09	5.08	18088.99	
10/30/07	10:50	57915	23	8200	565	674	0.12	7.38	18133.90	
11/07/07	14:45	58111	14	7900	548	670	0.07	4.46	18182.27	11/23 no readings
11/14/07	11:15	58271	21	8100	561	671	0.11	6.71	18219.49	
11/30/07	14:00	58581	19	8300	549	702	0.10	6.35	18303.82	
12/06/07	13:50	58726	4	8200	535	712	0.02	1.36	18327.10	
12/13/07	9:05	58868	9	8200	542	703	0.05	3.01	18340.02	
12/20/07	12:50	59040	18	8200	546	698	0.10	5.98	18372.23	12/28 no readings
01/11/08	10:30	59565	14	7900	552	665	0.07	4.43	18486.06	01/04 no readings
01/16/08	15:40	59692	9	8100	541	696	0.05	2.98	18505.66	
01/24/08	14:30	59741	8	8300	534	722	0.04	2.75	18511.51	
01/31/08	11:25	59799	13	8500	540	731	0.07	4.53	18520.30	

Table 3.1
Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparge / Soil Vapor Extraction System
MCB Camp Lejeune - Hadnot Point Fuel Farm, North West
SVE Stack

Date	Time	SVE Blower Hour Meter (Hrs)	TH Conc ($PPM_{measured}$) (PPMv)	Vapor Velocity (V) (ft/min)	Absolute Temperature (Rankine)	Calculated Vapor Flowrate (Q) (SCFM)	TH Conc (C) (mg/l)	TH Recovery Rate (M) (lb/day)	Cumulative Mass of Hydrocarbons Recovered (lbs)	Comments
02/13/08	14:30	60070	17	8500	558	708	0.09	5.73	18578.18	02/08 no readings
02/21/08	15:30	60138	8	8500	532	743	0.04	2.83	18590.30	
02/27/08	10:30	60151	14	8500	550	719	0.07	4.79	18592.36	
03/18/08	12:50	60353	18	8100	555	678	0.10	5.81	18636.96	03/07 and 03/14 no readings
03/27/08	11:40	60494	16	7800	559	648	0.09	4.94	18668.52	
04/04/08	11:40	60685	21	8100	557	676	0.11	6.75	18715.04	
04/10/08	11:50	60785	29	8300	564	684	0.15	9.44	18748.77	
04/17/08	10:55	60905	22	7900	564	651	0.12	6.81	18789.39	
04/26/08	10:15	61115	19	7600	567	623	0.10	5.63	18843.83	
04/30/08	10:15	61181	23	7975	563	658	0.12	7.13	18861.41	Extrapolated Data

Notes:

$C = (PPM_{measured}) \times K \times (M_g/K_g) / 1000$

C: vapor concentration (mg/l)

$PPM_{measured}$: FID reading (PPM)

K: number of carbon atoms in calibration gas (1 in methane)

TH: total hydrocarbons calculated as gasoline (GRO)

$Q = (1-B) \times V \times A \times (P/P_{std}) \times (T_{std}/T)$

Q: vapor flowrate (SCFM)

B: percent water vapor in flowstream

V: vapor velocity (ft/min)

A: cross-sectional area (sq. ft)

P: absolute pressure of flowstream (" Hg)

P_{std}: standard pressure (29.92" Hg)

T: absolute temperature of flowstream (degrees Rankine)

T_{std}: standard temperature (528 degrees Rankine) at 68 degrees F (from Perry's handbook)

$M = Q \times C \times 0.0895$

M: hydrocarbon recovery rate (lb/day)

CM = [delta (blower meter hours)/24] * [(Mprevious + Mcurrent)/2] + CMprevious

Assumptions:

Mg = 128 mg/mg-mole

Kg = 24.07 dsm^3/10^6 gm -mole

B = 0.003 from Perry's Chemical Handbook

A = 0.0873 sq. ft

percent water vapor by volume	0.003
SVE Stack pipe diameter	4

* Estimated value due to malfunctioning instrument

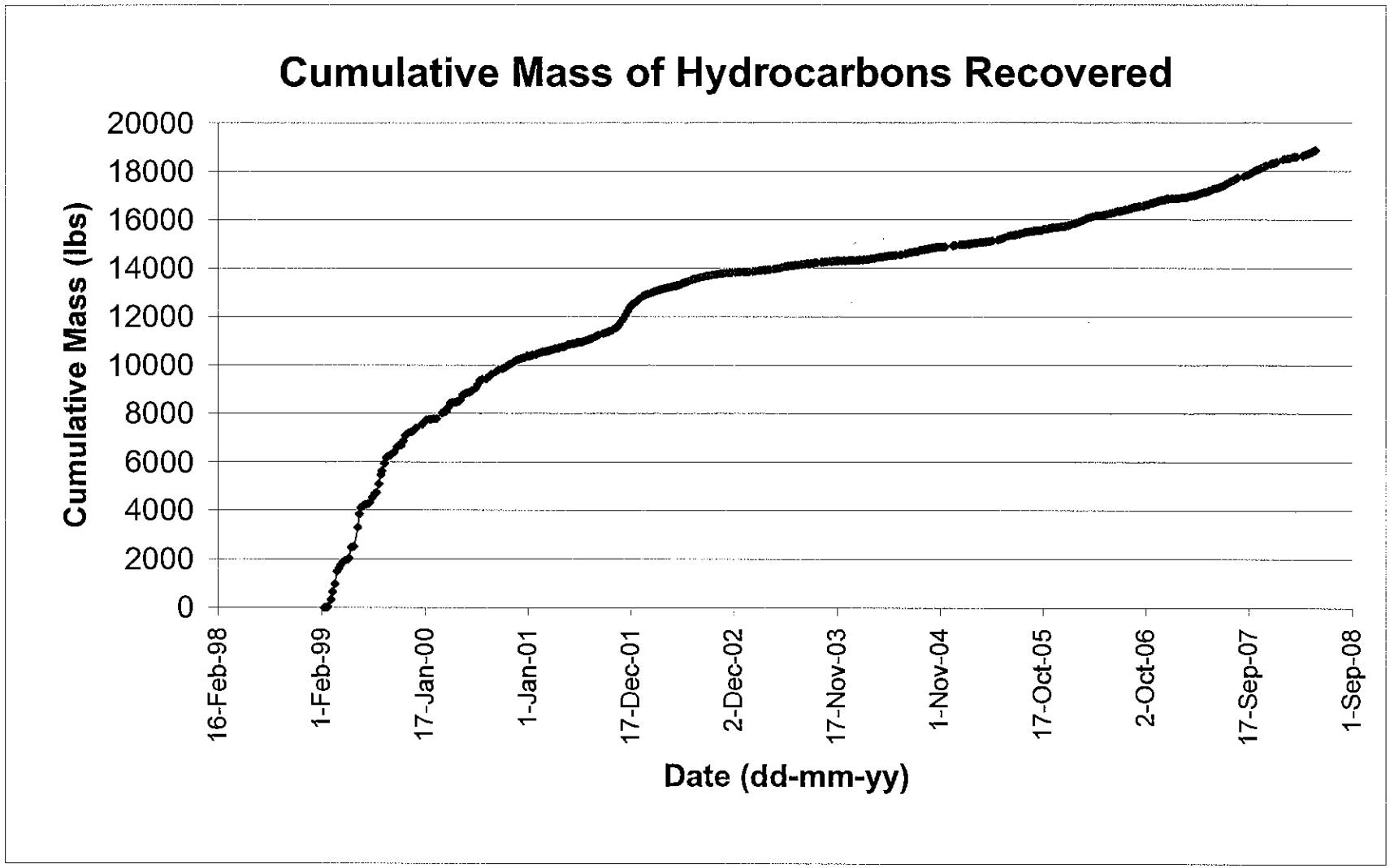
Cumulative Mass of Hydrocarbons Recovered
Cumulative Mass (lbs)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
16-Feb-98
1-Feb-99
17-Jan-00
1-Jan-01
17-Dec-01
2-Dec-02
17-Nov-03
1-Nov-04
17-Oct-05
2-Oct-06
17-Sep-07
1-Sep-08
Date (dd-mm-yy)

Table 3.2
Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparge / Soil Vapor Extraction System
MCB Camp Lejeune - Hadnot Point Fuel Farm, South East
SVE Stack

Date	Time	SVE Blower Hour Meter (Hrs)	TH Conc ($PPM_{measured}$) (PPMv)	Vapor Velocity (V) (ft/min)	Absolute Temperature (degrees Rankine)	Calculated Vapor Flowrate (Q) (SCFM)	TH Conc (C) (mg/l)	TH Recovery Rate (M) (lb/day)	Cumulative Mass of Hydrocarbons Recovered (lbs)	Comments
06/02/06	14:10	24493	98	8400	549	1641	0.52	76.54	1,255,601.88	
06/06/06	8:15	24580	182	8800	559	1689	0.97	146.29	1,256,005.76	
06/12/06	13:00	24693	96	7900	573	1475	0.51	67.40	1,256,508.82	
06/20/06	11:05	24693	196	8500	579	1569	1.04	146.38	1,257,012.11	Hard calculate for hour meter
06/29/06	16:25	28	102	8900	580	1639	0.54	79.59	1,257,544.09	
07/08/06	7:45	169	195	8600	564	1630	1.04	151.27	1,258,087.57	
07/12/06	10:35	269	168	8900	590	1614	0.89	129.02	1,258,747.42	
07/19/06	17:40	402	289	9100	587	1657	1.54	227.93	1,259,587.74	
07/28/06	11:45	599	202	9500	588	1729	1.07	166.19	1,260,515.57	
08/04/06	13:15	767	129	9300	590	1687	0.69	103.55	1,261,150.59	
08/08/06	14:50	866	117	8200	595	1474	0.62	82.07	1,261,587.57	
08/15/06	14:00	1010	105	9200	587	1675	0.56	83.72	1,261,977.87	
08/22/06	12:30	1165	81	9000	588	1635	0.43	63.03	1,262,323.35	
08/29/06	9:30	1327	61	9300	582	1709	0.32	49.61	1,262,588.52	
09/06/06	15:00	1421	103	8900	574	1657	0.55	81.25	1,262,896.59	
09/14/06	15:55	1614	84	9200	575	1713	0.45	68.47	1,263,249.07	
09/23/06	13:10	1812	117	8900	581	1639	0.62	91.27	1,263,625.13	
09/26/06	16:15	1888	88	9100	573	1700	0.47	71.20	1,264,007.61	
10/06/06	10:30	2114	99	9600	587	1751	0.53	82.49	1,264,369.43	
10/11/06	15:45	2237	82	8800	572	1643	0.44	64.12	1,264,714.57	
10/18/06	16:30	2391	79	9600	578	1776	0.42	66.79	1,265,022.73	
10/25/06	13:30	2545	152	9500	562	1806	0.81	130.62	1,265,487.46	
10/31/06	16:20	2693	131	9100	565	1721	0.70	107.31	1,266,047.60	
11/06/06	12:50	2764	71	9900	570	1857	0.38	62.77	1,266,448.00	
11/13/06	9:35	2927	117	9500	559	1818	0.62	101.26	1,266,834.14	
11/24/06	11:00	3205	78	10500	566	1985	0.41	73.69	1,267,245.98	
11/28/06	13:05	3231	63	10100	575	1880	0.34	56.38	1,267,552.17	

Table 3.2
Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparge / Soil Vapor Extraction System
MCB Camp Lejeune - Hadnot Point Fuel Farm, South East
SVE Stack

Date	Time	SVE Blower Hour Meter (Hrs)	TH Conc ($PPM_{measured}$) (PPMv)	Vapor Velocity (V) (ft/min)	Absolute Temperature (degrees Rankine)	Calculated Vapor Flowrate (Q) (SCFM)	TH Conc (C) (mg/l)	TH Recovery Rate (M) (lb/day)	Cumulative Mass of Hydrocarbons Recovered (lbs)	Comments
12/05/06	16:10	3402	111	9900	559	1894	0.59	100.08	1,267,920.51	
12/12/06	16:15	3555	51	10300	567	1940	0.27	47.10	1,268,267.00	
12/18/06	14:00	3699	58	10100	576	1874	0.31	51.74	1,268,499.69	
12/29/06	10:40	3876	51	9900	559	1893	0.27	45.94	1,268,729.64	
01/02/07	11:30	3972	49	10700	559	2048	0.26	47.75	1,268,950.20	
01/10/07	9:55	4164	62	9900	551	1922	0.33	56.71	1,269,196.13	
01/16/07	15:25	4312	61	10200	564	1934	0.32	56.15	1,269,461.83	
01/24/07	15:10	4504	49	10600	550	2063	0.26	48.10	1,269,707.26	
01/31/07	15:45	4643	66	10200	540	2021	0.35	63.50	1,269,969.99	
02/07/07	10:35	4795	61	9800	551	1903	0.32	55.24	1,270,249.52	
02/14/07	12:40	4965	57	10200	548	1992	0.30	54.03	1,270,506.74	
02/20/07	14:35	5101	174	10500	566	1993	0.93	165.01	1,271,022.40	
02/28/07	15:20	5287	104	10200	562	1951	0.55	96.56	1,271,638.19	
03/07/07	8:00	5453	198	10200	550	1995	1.05	187.99	1,272,308.06	
03/16/07	10:35	5610	104	10400	574	1950	0.55	96.54	1,272,977.87	
03/20/07	11:35	5704	76	9900	578	1842	0.40	66.64	1,273,362.02	
03/26/07	16:05	5852	88	10200	579	1895	0.47	79.38	1,273,705.79	
04/05/07	8:10	6052	69	10200	565	1943	0.37	63.82	1,274,042.91	
04/10/07	13:10	6103	149	10400	569	1968	0.79	139.59	1,274,521.76	
04/18/07	14:15	6266	76	10400	572	1959	0.40	70.84	1,275,017.15	
04/24/07	14:25	6409	115	10400	580	1932	0.61	105.72	1,275,432.81	
05/04/07	9:15	6626	129	10100	570	1908	0.69	117.13	1,275,957.44	
05/09/07	14:35	6750	153	10500	575	1967	0.81	143.24	1,276,570.39	
05/17/07	14:15	6942	129	10200	584	1879	0.69	115.35	1,277,179.14	
05/23/07	14:30	7085	79	10400	587	1907	0.42	71.71	1,277,619.50	
05/31/07	13:35	7214	164	10100	582	1867	0.87	145.70	1,278,131.31	

Table 3.2
Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparge / Soil Vapor Extraction System
MCB Camp Lejeune - Hadnot Point Fuel Farm, South East
SVE Stack

Date	Time	SVE Blower Hour Meter (Hrs)	TH Conc ($PPM_{measured}$) (PPMv)	Vapor Velocity (V) (ft/min)	Absolute Temperature (degrees Rankine)	Calculated Vapor Flowrate (Q) (SCFM)	TH Conc (C) (mg/l)	TH Recovery Rate (M) (lb/day)	Cumulative Mass of Hydrocarbons Recovered (lbs)	Comments
06/07/07	12:05	7352	104	10200	589	1863	0.55	92.20	1,278,691.38	
06/13/07	13:25	7498	131	10100	585	1857	0.70	115.79	1,279,181.02	
06/21/07	14:50	7646	174	10500	593	1906	0.93	157.84	1,279,825.18	
06/27/07	14:45	7789	1818	9800	596	1769	9.67	1530.37	1,283,799.51	
07/06/07	12:35	7960	349	10200	597	1840	1.86	305.56	1,288,121.58	
07/13/07	11:05	8080	282	10200	592	1854	1.50	248.80	1,289,426.64	
07/19/07	12:05	8206	169	10400	594	1885	0.90	151.63	1,290,369.31	
07/26/07	15:05	8330	88	9400	573	1764	0.47	73.87	1,290,900.17	
08/02/07	15:50	8498	117	9100	582	1683	0.62	93.72	1,291,294.71	
										No 08/16/07 or 08/24/07
08/09/07	16:20	8668	102	9500	586	1748	0.54	84.84	1,291,715.06	Readings Sampling in Area
08/31/07	13:30	8853	161	9600	581	1778	0.86	136.22	1,292,235.48	
09/07/07	11:15	8879	187	9400	584	1731	0.99	154.02	1,292,918.75	
09/13/07	11:30	9021	168	9600	574	1798	0.89	143.77	1,293,619.80	
09/20/07	12:15	9185	261	9800	572	1843	1.39	228.92	1,294,497.20	
09/28/07	13:05	9381	189	10200	581	1890	1.01	170.03	1,295,436.40	
10/05/07	13:30	9548	239	10400	575	1948	1.27	221.62	1,296,358.42	
10/11/07	10:55	9690	204	9900	569	1873	1.08	181.84	1,297,308.23	
10/17/07	11:05	9832	227	9900	573	1860	1.21	200.98	1,298,209.45	
10/22/07	11:05	9952	251	10200	572	1921	1.33	229.47	1,299,222.79	
10/30/07	11:45	10148	183	9900	567	1880	0.97	163.74	1,300,148.46	
11/07/07	15:30	10342	127	9500	558	1832	0.68	110.72	1,300,794.58	
11/16/07	11:25	10524	153	9500	551	1853	0.81	134.92	1,301,372.84	
11/30/07	14:50	10784	142	9200	551	1795	0.76	121.32	1,301,976.07	
12/06/07	14:25	10929	82	9500	545	1875	0.44	73.18	1,302,433.95	
12/13/07	9:45	11089	114	9500	547	1869	0.61	101.43	1,302,845.01	
12/20/07	13:25	11238	122	9700	561	1861	0.65	108.07	1,303,338.21	12/28 no readings
01/11/08	12:55	11763	142	9100	562	1741	0.76	117.68	1,303,869.67	01/04 no readings
01/16/28	16:30	11886	161	8900	540	1772	0.86	135.81	1,304,466.44	
01/24/08	15:30	12078	122	9200	541	1830	0.65	106.24	1,305,036.26	

Table 3.2
Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparge / Soil Vapor Extraction System
MCB Camp Lejeune - Hadnot Point Fuel Farm, South East
SVE Stack

Date	Time	SVE Blower Hour Meter (Hrs)	TH Conc ($PPM_{measured}$) (PPMv)	Vapor Velocity (V) (ft/min)	Absolute Temperature (degrees Rankine)	Calculated Vapor Flowrate (Q) (SCFM)	TH Conc (C) (mg/l)	TH Recovery Rate (M) (lb/day)	Cumulative Mass of Hydrocarbons Recovered (lbs)	Comments
01/31/08	13:30	12244	142	9400	548	1846	0.76	124.79	1,305,580.13	
02/13/08	15:50	12557	152	9100	560	1748	0.81	126.48	1,306,171.66	02/08 no readings
02/21/08	16:15	12697	115	8900	535	1789	0.61	97.89	1,306,699.87	
02/27/08	11:30	12791	139	9200	550	1800	0.74	119.06	1,307,210.61	
03/18/08	14:00	13236	159	9000	559	1732	0.85	131.09	1,307,799.50	03/07 and 03/14 no readings
03/27/08	12:10	13450	168	9200	567	1747	0.89	139.65	1,308,436.86	
04/04/08	13:20	13641	236	8800	563	1682	1.26	188.89	1,309,210.31	
04/10/08	12:55	13787	249	8600	572	1617	1.32	191.66	1,310,106.19	
04/17/08	11:45	13904	186	8900	566	1692	0.99	149.80	1,310,910.04	
04/26/08	10:40	14069	222	9400	575	1760	1.18	185.97	1,311,700.51	
04/30/08	10:40	14135	223	8925	569	1688	1.19	179.35	1,312,560.54	Extrapolated Data

Notes:

$C = (PPM_{measured}) \times K \times (M_g/K_g) / 1000$

C: vapor concentration (mg/l)

$PPM_{measured}$: FID reading (PPM)

K: number of carbon atoms in calibration gas (1 in methane)

TH: total hydrocarbons calculated as gasoline (GRO)

$Q = (1-B) \times V \times A \times (P/P_{std}) \times (T_{std}/T)$

Q: vapor flowrate (SCFM)

B: percent water vapor in flowstream

V: vapor velocity (ft/min)

A: cross-sectional area (sq. ft)

P: absolute pressure of flowstream (" Hg)

P_{std}: standard pressure (29.92" Hg)

T: absolute temperature of flowstream (degrees Rankine)

T_{std}: standard temperature (528 degrees Rankine) at 68 degrees F (from Perry's handbook)

* Estimated value due to malfunctionng instrument

$M = Q \times C \times 0.0895$

M: hydrocarbon recovery rate (lb/day)

CM = [delta (blower meter hours)/24] * [(Mprevious + Mcurrent)/2] + CMprevious

Assumptions:

Mg = 128 mg/mg-mole

Kg = 24.07 dsm^3/10^6 gm -mole

B = 0.003 from Perry's Chemical Handbook

A = 0.2005 sq. ft (6-INCH SCH-40 STACK)

percent water vapor by volume	0.003
SVE Stack pipe diameter	8

Cumulative Mass of Hydrocarbons Recovered

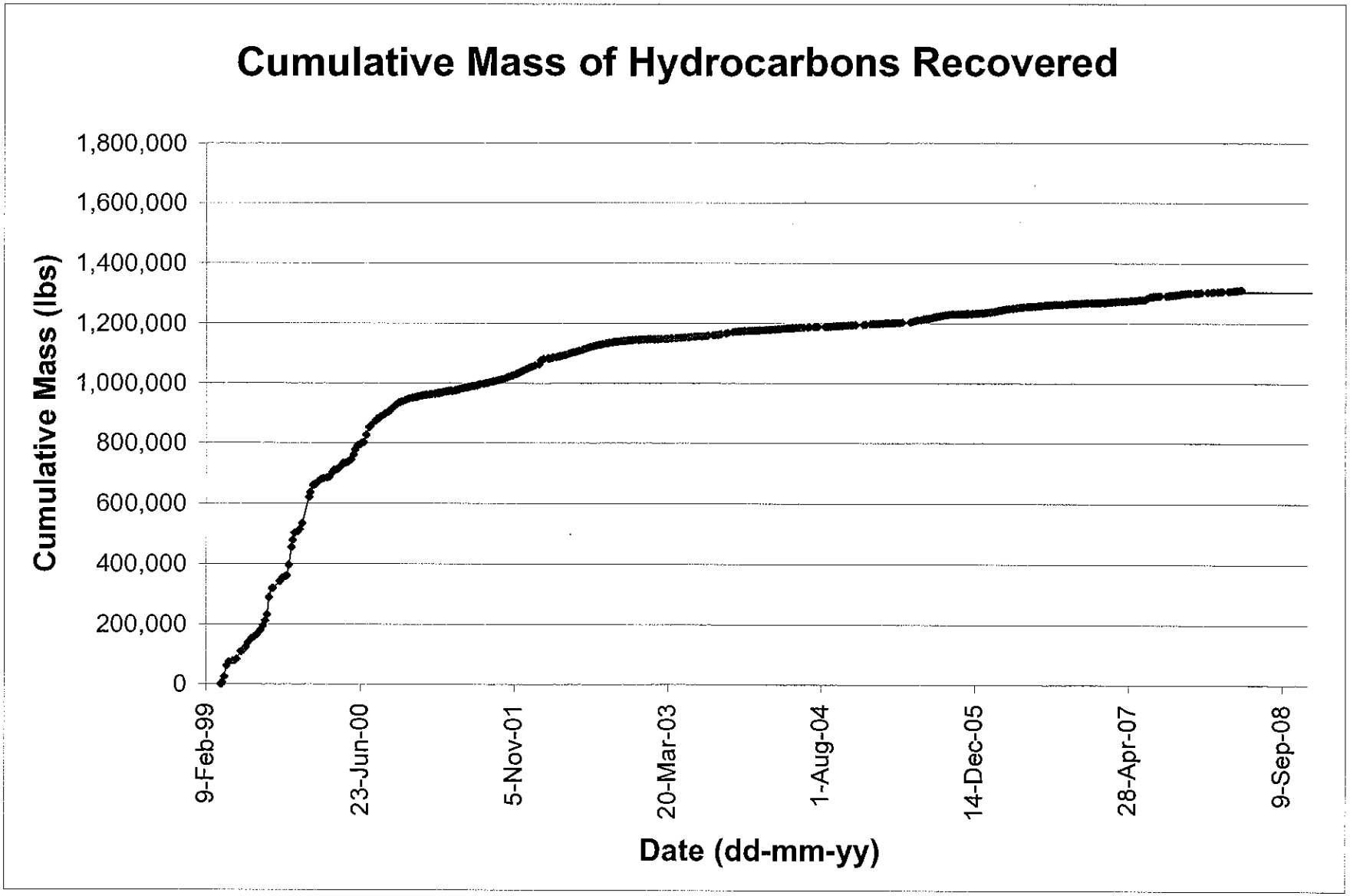

Table 4.1

Groundwater Elevation Table

Hadnot Point Fuel Farm - North West

Camp Lejeune, North Carolina

Well No.	Well Type (depth)	Top of Casing	Date Measured	Depth (BTC)	Elev. (NGVD)	Date Measured	Depth (BTC)	Elev. (NGVD)
UST1115-MW01	shallow	26.24	Aug-07	9.20	17.04	Feb-08	NM	NM
UST1115-MW02	shallow	25.74	Aug-07	9.01	16.73	Feb-08	NM	NM
UST1115-MW04	shallow	27.02	Aug-07	5.62	21.40	Feb-08	NM	NM
UST1115-MW07	shallow	25.85	Aug-07	7.08	18.77	Feb-08	7.92	17.93
UST1115-MW09	shallow	27.99	Aug-07	11.34	16.65	Feb-08	9.95	18.04
UST1115GT-MW01	shallow	26.32	Aug-07	4.37	21.95	Feb-08	NM	NM
UST1115GT-MW07	shallow	25.94	Aug-07	5.98	19.96	Feb-08	5.82	20.12
UST1115GT-MW09	shallow	25.99	Aug-07	6.22	19.77	Feb-08	6.28	19.71
USTHPFF-MW12	shallow	28.66	Aug-07	6.62	22.04	Feb-08	7.68	20.98
USTHPFF-MW20	shallow	29.77	Aug-07	8.74	21.03	Feb-08	NM	NM
USTHPFFC-MW36	shallow	26.19	Aug-07	8.14	18.05	Feb-08	NM	NM
USTHPFFC-MW39	shallow	24.20	Aug-07	10.42	13.78	Feb-08	11.18	13.02
USTHPFFC-MW48	shallow	23.82	Aug-07	7.92	15.90	Feb-08	NM	NM
USTHPFFC-MW51	shallow	27.32	Aug-07	11.13	16.19	Feb-08	12.08	15.24
USTHPFFC-MW54	shallow	27.14	Aug-07	6.58	20.56	Feb-08	NM	NM
UST1115-MW13	intermediate	25.59	Aug-07	10.00	15.59	Feb-08	10.68	14.91
UST1115-MW14	intermediate	27.65	Aug-07	10.87	16.78	Feb-08	12.88	14.77
UST1115-MW15	intermediate	27.22	Aug-07	9.85	17.37	Feb-08	NM	NM
UST1115-MW17	intermediate	25.94	Aug-07	10.90	15.04	Feb-08	11.87	14.07
UST1115-MW18	intermediate	25.81	Aug-07	11.21	14.60	Feb-08	11.56	14.25
UST1115-MW20	intermediate	26.13	Aug-07	9.36	16.77	Feb-08	10.72	15.41
UST1115-MW21	intermediate	25.54	Aug-07	9.83	15.71	Feb-08	10.70	14.84
USTHPFFC-MW44	intermediate	23.00	Aug-07	9.57	13.43	Feb-08	NM	NM
USTHPFFC-MW47	intermediate	24.62	Aug-07	10.40	14.22	Feb-08	11.31	13.31
USTHPFFC-MW50	intermediate	23.51	Aug-07	8.45	15.06	Feb-08	NM	NM
USTHPFFC-MW53	intermediate	27.44	Aug-07	10.83	16.61	Feb-08	NM	NM
USTHPFFC-MW73	intermediate	25.27	Aug-07	11.70	13.57	Feb-08	NM	NM
USTHPFFC-MW76	intermediate	23.55	Aug-07	8.37	15.18	Feb-08	NM	NM

Table 4.1

Groundwater Elevation Table

Hadnot Point Fuel Farm - North West

Camp Lejeune, North Carolina

Well No.	Well Type (depth)	Top of Casing	Date Measured	Depth (BTC)	Elev. (NGVD)	Date Measured	Depth (BTC)	Elev. (NGVD)
UST1115-MW22	deep	27.10	Aug-07	12.49	14.61	Feb-08	13.34	13.76
UST1115-MW23	deep	27.47	Aug-07	7.72	19.75	Feb-08	NM	NM
UST1115-MW24	deep	25.93	Aug-07	11.22	14.71	Feb-08	12.04	13.89
UST1115-MW25	deep	25.83	Aug-07	10.52	15.31	Feb-08	11.37	14.46
USTHPFFC-MW13	deep	26.13	Aug-07	10.77	15.36	Feb-08	NM	NM
USTHPFFC-MW43	deep	23.01	Aug-07	8.80	14.21	Feb-08	NM	NM
USTHPFFC-MW55	deep	27.15	Aug-07	9.35	17.80	Feb-08	NM	NM
USTHPFFC-MW56	deep	25.67	Aug-07	10.89	14.78	Feb-08	NM	NM
USTHPFFC-MW74	deep	25.38	Aug-07	11.91	13.47	Feb-08	NM	NM

NM = Not Measured

All elevations are in feet above National Geodetic Vertical Datum (NGVD)

Table 4.2

Groundwater Elevation Table

Hadnot Point Fuel Farm - South East

Camp Lejeune, North Carolina

Well No.	Well Type (depth)	Top of Casing	Date Measured	Depth (BTC)	Elev. (NGVD)	Date Measured	Depth (BTC)	Elev. (NGVD)
USTHPFF-MW01	shallow	27.97	Aug-07	9.80	18.17	Feb-08	10.68	17.29
USTHPFF-MW06	shallow	29.60	Aug-07	9.21	20.39	Feb-08	10.36	19.24
USTHPFF-MW09	shallow	30.47	Aug-07	10.90	19.57	Feb-08	NM	NM
USTHPFF-MW10R	shallow	33.46	Aug-07	12.92	20.54	Feb-08	14.18	19.28
USTHPFF-MW11	shallow	28.30	Aug-07	6.60	21.70	Feb-08	NM	NM
USTHPFF-MW15	shallow	29.80	Aug-07	9.20	20.60	Mar-08	9.64	20.16
USTHPFF-MW17A	shallow	31.60	Aug-07	11.71	19.89	Feb-08	12.75	18.85
USTHPFF-MW18	shallow	31.45	Aug-07	12.25	19.20	Mar-08	13/32/13.98	17.47
USTHPFF-MW19	shallow	32.40	Aug-07	12.66	19.74	Feb-08	NM	NM
USTHPFFC-MW01	shallow	27.97	Aug-07	5.35	22.62	Feb-08	NM	NM
USTHPFFC-MW02	shallow	29.05	Aug-07	7.37	21.68	Feb-08	NM	NM
USTHPFFC-MW03	shallow	30.83	Aug-07	10.64	20.19	Feb-08	NM	NM
USTHPFFC-MW05	shallow	26.94	Aug-07	7.28	19.66	Feb-08	8.53	18.41
USTHPFFC-MW15	shallow	27.40	Aug-07	7.16	20.24	Mar-08	7.54/8.44	18.96
USTHPFFC-MW19	shallow	26.21	Aug-07	6.47	19.74	Feb-08	6.86	19.35
USTHPFFC-MW20	shallow	28.29	Aug-07	8.39	19.90	Feb-08	9.64	18.65
USTHPFFC-MW31	shallow	27.84	Aug-07	8.90	18.94	Feb-08	NM	NM
USTHPFFC-MW38	shallow	28.95	Aug-07	8.83	20.12	Feb-08	NM	NM
USTHPFFC-MW72	shallow	27.45	Aug-07	5.95/19.05	8.40	Mar-08	7.35/18.52	8.93
UST1101-MW01	shallow	26.75	Aug-07	8.04	18.71	Feb-08	NM	NM
USTHPFFC-MW06	intermediate	30.44	Aug-07	11.92	18.52	Feb-08	12.83	17.61
USTHPFFC-MW07	intermediate	27.88	Aug-07	10.76	17.12	Feb-08	11.61	16.27
USTHPFFC-MW08	intermediate	34.52	Aug-07	16.57	17.95	Feb-08	17.77	16.75
USTHPFFC-MW09	intermediate	26.74	Aug-07	9.30	17.44	Feb-08	10.28	16.46
USTHPFFC-MW60	intermediate	26.89	Aug-07	9.83	17.06	Feb-08	10.52	16.37
USTHPFFC-MW63	intermediate	29.73	Aug-07	10.99	18.74	Feb-08	NM	NM
USTHPFFC-MW66	intermediate	27.04	Aug-07	9.42	17.62	Feb-08	10.40/10.41	16.63

Table 4.2

Groundwater Elevation Table

Hadnot Point Fuel Farm - South East

Camp Lejeune, North Carolina

Well No.	Well Type (depth)	Top of Casing	Date Measured	Depth (BTC)	Elev. (NGVD)	Date Measured	Depth (BTC)	Elev. (NGVD)
USTHPFFC-MW70	intermediate	30.40	Aug-07	11.85	18.55	Feb-08	NM	NM
USTHPFFC-MW77	intermediate	28.99	Aug-07	11.56	17.43	Feb-08	NM	NM
USTHPFFC-MW10	deep	32.44	Aug-07	15.18	17.26	Feb-08	15.99	16.45
USTHPFFC-MW11	deep	32.06	Aug-07	14.90	17.16	Feb-08	NM	NM
USTHPFFC-MW12	deep	26.68	Aug-07	10.93	15.75	Feb-08	11.36	15.32
USTHPFFC-MW59	deep	27.58	Aug-07	10.82	16.76	Feb-08	NM	NM
USTHPFFC-MW61	deep	27.08	Aug-07	10.70	16.38	Feb-08	NM	NM
USTHPFFC-MW71	deep	30.31	Aug-07	13.17	17.14	Feb-08	NM	NM
IR78-GW17-02	deep	32.16	Aug-07	14.76	17.40	Feb-08	16.22	15.94
IR78-GW31-02	deep	26.25	Aug-07	10.82	15.43	Feb-08	NM	NM
IR78-GW32-02	deep	26.87	Aug-07	9.36	17.51	Mar-08	11.23	15.64
IR78-GW32-03	deep	27.20	Aug-07	10.58	16.62	Mar-08	11.06	16.14

NM = Not Measured

All elevations are in feet above National Geodetic Vertical Datum (NGVD)

Table 4.3
Analytical Parameters
Hadnot Point Fuel Farm - Bldg 1115
Camp Lejeune 125709

Parameter	Cas No.	Method	Units	RL	MDL	DF	GWQS
Acetone	67-64-1	SW846 8260B	ug/l	25	10	1	700
Benzene	71-43-2	SW846 8260B	ug/l	1	0.2	1	1
Bromodichloromethane	75-27-4	SW846 8260B	ug/l	1	0.29	1	NS
Bromoform	75-25-2	SW846 8260B	ug/l	1	0.28	1	0.19
Chlorobenzene	108-90-7	SW846 8260B	ug/l	1	0.2	1	50
Chloroethane	75-00-3	SW846 8260B	ug/l	2	0.46	1	NS
Chloroform	67-66-3	SW846 8260B	ug/l	1	0.21	1	70
Carbon disulfide	75-15-0	SW846 8260B	ug/l	2	0.2	1	700
Carbon tetrachloride	56-23-5	SW846 8260B	ug/l	1	0.29	1	NS
1,1-Dichloroethane	75-34-3	SW846 8260B	ug/l	1	0.25	1	70
1,1-Dichloroethylene	75-35-4	SW846 8260B	ug/l	1	0.23	1	7
1,2-Dichloroethane	107-06-2	SW846 8260B	ug/l	1	0.2	1	0.38
1,2-Dichloropropane	78-87-5	SW846 8260B	ug/l	1	0.25	1	0.51
Dibromochloromethane	124-48-1	SW846 8260B	ug/l	1	0.2	1	0.41
cis-1,2-Dichloroethylene	156-59-2	SW846 8260B	ug/l	1	0.28	1	70
cis-1,3-Dichloropropene	10061-01-5	SW846 8260B	ug/l	1	0.24	1	NS
trans-1,2-Dichloroethylene	156-60-5	SW846 8260B	ug/l	1	0.2	1	100
trans-1,3-Dichloropropene	10061-02-6	SW846 8260B	ug/l	1	0.21	1	NS
Ethylbenzene	100-41-4	SW846 8260B	ug/l	1	0.2	1	550
2-Hexanone	591-78-6	SW846 8260B	ug/l	10	2.9	1	280
4-Methyl-2-pentanone	108-10-1	SW846 8260B	ug/l	5	2.2	1	NS
Methyl bromide	74-83-9	SW846 8260B	ug/l	2	0.54	1	NS
Methyl chloride	74-87-3	SW846 8260B	ug/l	2	0.38	1	2.6
Methylene chloride	75-09-2	SW846 8260B	ug/l	5	1	1	4.6
Methyl ethyl ketone	78-93-3	SW846 8260B	ug/l	5	2	1	4200
Styrene	100-42-5	SW846 8260B	ug/l	1	0.2	1	100
1,1,1-Trichloroethane	71-55-6	SW846 8260B	ug/l	1	0.29	1	200
1,1,2,2-Tetrachloroethane	79-34-5	SW846 8260B	ug/l	1	0.37	1	0.17
1,1,2-Trichloroethane	79-00-5	SW846 8260B	ug/l	1	0.3	1	NS
Tetrachloroethylene	127-18-4	SW846 8260B	ug/l	1	0.25	1	0.7
Toluene	108-88-3	SW846 8260B	ug/l	1	0.27	1	1000
Trichloroethylene	79-01-6	SW846 8260B	ug/l	1	0.38	1	2.8
Vinyl chloride	75-01-4	SW846 8260B	ug/l	1	0.34	1	0.015
Xylene (total)	1330-20-7	SW846 8260B	ug/l	3	0.56	1	530

RL= Reporting Limit
MDL= Method Detection Limit
DF= Dilution Factor
GWQS= Groundwater Quality Standard
NS= No Standard

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Table 4.4 Analytical Data Summary

NW Sampling Event **August 2007 NW Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		UST1115-MW01	UST1115-MW02	UST1115-MW04	UST1115-MW07	UST1115-MW09	UST1115GT-MW01	UST1115GT-MW07	UST1115GT-MW09
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		8/21/07	8/23/07	8/22/07	8/22/07	8/22/07	8/24/07	8/21/07	8/22/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	9.20	9.01	5.62	7.08	11.34	4.37	5.98	6.22
pH	-	3.57	5.17	4.77	5.95	4.87	5.44	5.01	4.84
Conductivity	mS/m	1.337	0.164	0.129	2.786	2.303	0.196	1.499	1.811
Turbidity	NTU	7.7	0	0	13.6	68.4	193.4	70.1	13.7
Dissolved Oxygen	mg/L	3.56	0.39	1.55	3.55	2.01	0.35	3.74	1.43
Temperature	°C	29.83	26.38	24.42	25.95	23.25	29.85	26.61	23.49
Oxidation-Reduction Potential	mV	149.3	267.4	316.2	-231.9	-51.9	169.9	-12.9	-37.8

Table 4.4 Analytical Data Summary

NW Sampling Event **August 2007 NW Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		USTHPFF-MW12	USTHPFF-MW20	USTHPFFC-MW36	USTHPFFC-MW39	USTHPFFC-MW48	USTHPFFC-MW51	USTHPFFC-MW54	UST1115-MW13
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate
Date Sampled:		8/20/07	8/24/07	8/21/07	8/25/07	8/24/07	8/25/07	8/25/07	8/24/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	6.62	8.74	8.14	10.42	7.92	11.13	6.58	10.00
pH	-	3.44	5.51	3.40	7.73	5.88	4.66	6.20	4.63
Conductivity	mS/m	2.562	0.164	1.551	0.374	0.354	0.413	0.602	2.025
Turbidity	NTU	14.3	0	122.0	0	17.4	9.8	55.4	0
Dissolved Oxygen	mg/L	4.43	0.60	4.52	0.36	0.91	3.90	0.90	0.44
Temperature	°C	22.47	20.88	28.26	21.46	22.60	19.93	21.73	25.93
Oxidation-Reduction Potential	mV	88.3	110.8	190.6	-12.1	103.5	304.9	105.1	267.9

Table 4.4 Analytical Data Summary

NW Sampling Event **August 2007 NW Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		UST1115-MW14	UST1115-MW15	UST1115-MW17	UST1115-MW18	UST1115-MW20	UST1115-MW21	USTHPFFC-MW44	USTHPFFC-MW47
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Date Sampled:		8/22/07	8/24/07	8/22/07	8/22/07	8/20/07	8/23/07	8/25/07	8/25/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	10.87	9.85	10.96	11.21	9.36	9.83	9.57	10.40
pH	-	2.97	7.36	5.78	6.98	5.58	5.27	7.92	7.34
Conductivity	mS/m	2.890	0.203	6.053	1.488	2.413	0.122	0.234	0.650
Turbidity	NTU	0	0	0	0	20.1	0	0	6.5
Dissolved Oxygen	mg/L	0.47	5.73	1.20	1.10	1.42	0.21	5.77	0.45
Temperature	°C	24.25	25.27	21.12	21.29	23.25	23.77	20.79	21.33
Oxidation-Reduction Potential	mV	337.8	123.0	110.8	76.5	-75.4	159.7	104.9	-17.0

Table 4.4 Analytical Data Summary

NW Sampling Event **August 2007 NW Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		USTHPFFC-MW50	USTHPFFC-MW53	USTHPFFC-MW73	USTHPFFC-MW76	UST1115-MW22	UST1115-MW23	UST1115-MW24	UST1115-MW25
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep	Deep
Date Sampled:		8/24/07	8/25/07	8/23/07	8/25/07	8/22/07	8/22/07	8/23/07	8/24/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	8.45	10.83	11.70	8.31	12.49	7.72	11.22	10.52
pH	-	7.06	9.36	8.02	7.68	7.17	6.4	6.6	10.73
Conductivity	mS/m	1.283	0.514	0.275	0.380	0.514	3.638	1.241	0.444
Turbidity	NTU	3.4	0	0	0	0	0	0	0
Dissolved Oxygen	mg/L	0.46	3.16	0.11	4.95	0.39	1.57	1.47	1.14
Temperature	°C	20.68	20.16	23.37	21.54	22.12	21.47	23.79	25.79
Oxidation-Reduction Potential	mV	-70.2	19.6	-88.3	113.1	73.4	-192.6	-163.2	-42.1

Table 4.4 Analytical Data Summary

NW Sampling Event **August 2007 NW Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		USTHPFFC-MW13	USTHPFFC-MW43	USTHPFFC-MW55	USTHPFFC-MW56	USTHPFFC-MW74
Well Depth:		Deep	Deep	Deep	Deep	Deep
Date Sampled:		8/24/07	8/25/07	8/25/07	8/24/07	8/23/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters						
Depth to Water	feet	10.77	8.80	9.38	10.89	11.91
pH	-	8.25	7.97	6.49	10.82	7.23
Conductivity	mS/m	0.698	0.178	0.276	0.655	1.475
Turbidity	NTU	0	0	0	0	0
Dissolved Oxygen	mg/L	1.43	3.79	0.63	1.54	1.39
Temperature	°C	24.42	21.49	21.96	24.34	23.79
Oxidation-Reduction Potential	mV	-49.6	38.7	137.9	-38.0	-101.6

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Table 4.5
Analytical Data Summary
NW Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A
Well ID:		USTHPFF-MW12	USTHPFFC-MW36	UST1115-MW01	UST1115GT-MW07	UST1115-MW07	UST1115-MW09	UST1115GT-MW09	UST1115-MW04
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F51956-7	F52022-3	F52022-4	F52022-5	F52022-6	F52022-7	F52022-10	F52022-13
Date Sampled:		8/20/07	8/21/07	8/21/07	8/21/07	8/22/07	8/22/07	8/22/07	8/22/07
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	**758**	<1.0	<1.0	**0.65 J**	**6230**	**120**	**21.4**	<1.0
Ethylbenzene	550	**88.6**	<1.0	<1.0	**0.35 J**	**1560**	<2.0	<1.0	<1.0
Toluene	1000	**717**	<1.0	<1.0	**0.95 J**	**8400**	<2.0	<1.0	<1.0
Xylenes (total)	530	**392**	<3.0	<3.0	**1.7 J**	**3920**	<6.0	<3.0	<3.0
Total BTEX		**1955.6**	0	0	**3.65**	**20110**	**120**	**21.4**	0
VOA EPA 8260B									
Acetone	700	<500	<25	<25	<25	<2500	<50	<25	<25
Chloroform	70	**7.7 J**	<1.0	<1.0	<1.0	**46.6 JB**	<2.0	<1.0	<1.0
Carbon disulfide	700	<40	<2.0	<2.0	**0.49 J**	<200	<4.0	<2.0	<2.0
Methyl Chloride	2.6	<40	<2.0	<2.0	<2.0	<200	<4.0	<2.0	**0.39 J**
Methylene Chloride	4.6	<100	<5.0	<5.0	<5.0	**143 J**	<10	<5.0	<5.0
Methyl ethyl ketone	4200	**50.5 J**	<5.0	<5.0	<5.0	<500	<10	<5.0	<5.0
Styrene	100	<20	<1.0	<1.0	<1.0	<100	<2.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<20	<1.0	<1.0	<1.0	<100	<2.0	<1.0	<1.0
1,2-Dichloroethane	0.38	**75.1**	<1.0	<1.0	**3.0**	<100	<2.0	**1.4**	<1.0
1,2-Dichloropropane	0.51	<20	<1.0	<1.0	**0.42 J**	<100	<2.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<20	<1.0	<1.0	<1.0	<100	<2.0	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<20	<1.0	<1.0	<1.0	<100	<2.0	<1.0	<1.0
2-hexanone	280	<200	<10	<10	<10	<1000	<20	<10	<10
4-Methyl-2-pentanone	NS	<100	<5.0	<5.0	<5.0	<500	<10	<5.0	<5.0
Tetrachloroethylene	0.7	<20	<1.0	**0.89 J**	<1.0	<100	<2.0	<1.0	<1.0
Trichloroethylene	2.8	<20	<1.0	<1.0	<1.0	<100	<2.0	**0.60 J**	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

Printed: 3/27/2008
Samples analyzed by Accutest

Table 4.5
Analytical Data Summary
NW Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A
Well ID:		UST1115-MW02	UST1115GT-MW01	USTHPFF-MW20	USTHPFFC-MW48	USTHPFFC-MW39	USTHPFFC-MW51	USTHPFFC-MW54	UST1115-MW20
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate
Laboratory Sample ID:		F52091-7	F52091-13	F52091-17	F52091-18	F52139-5	F52139-6	F52139-8	F51956-9
Date Sampled:		8/23/07	8/24/07	8/24/07	8/24/07	8/25/07	8/25/07	8/25/07	8/20/07
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	<1.0	<1.0	<1.0	<1.0	**5.7**	**2.1**	<1.0	**18700**
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1190**
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**106 J**
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	**2510**
Total BTEX		0	0	0	0	**5.7**	**2.1**	0	**22400**
VOA EPA 8260B									
Acetone	700	<25	<25	<25	<25	<25	<25	<25	<5000
Chloroform	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200
Carbon disulfide	700	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400
Methyl Chloride	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400
Methylene Chloride	4.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000
Methyl ethyl ketone	4200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000
Styrene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200
1,1-Dichloroethylene	7.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200
1,2-Dichloroethane	0.38	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200
1,2-Dichloropropane	0.51	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200
cis-1,2-Dichloroethylene	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200
trans-1,2-Dichloroethylene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200
2-hexanone	280	<10	<10	<10	<10	<10	<10	<10	<2000
4-Methyl-2-pentanone	NS	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1000
Tetrachloroethylene	0.7	<1.0	**0.93 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<200
Trichloroethylene	2.8	<1.0	<1.0	<1.0	<1.0	**4.4**	**2.0**	<1.0	<200
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

Printed: 3/27/2008
Samples analyzed by Accutest

Table 4.5
Analytical Data Summary
NW Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A
Well ID:		UST1115-MW18	UST1115-MW17	UST1115-MW14	UST1115-MW21	USTHPFFC-MW73	UST1115-MW13	UST1115-MW15	USTHPFFC-MW50
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory Sample ID:		F52022-8	F52022-11	F52022-14	F52091-5	F52091-9	F52091-11	F52091-14	F52091-20
Date Sampled:		8/22/07	8/22/07	8/22/07	8/23/07	8/23/07	8/24/07	8/24/07	8/24/07
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	**5.5**	**304**	**170**	**45.2**	<50	**78.5**	<1.0	<1.0
Ethylbenzene	550	<1.0	**29.6**	<2.0	<1.0	<50	**7.6**	<1.0	<1.0
Toluene	1000	**0.27 J**	<5.0	<2.0	<1.0	<50	**0.35 J**	<1.0	<1.0
Xylenes (total)	530	<3.0	**7.3 J**	<6.0	<3.0	<150	**5.2**	<3.0	<3.0
Total BTEX		**5.77**	**340.9**	**170**	**45.2**	0	**91.65**	0	0
VOA EPA 8260B									
Acetone	700	<25	<130	<50	<25	<1300	<25	<25	<25
Chloroform	70	<1.0	**2.1 J**	<2.0	<1.0	**24.4 J**	<1.0	<1.0	<1.0
Carbon disulfide	700	<2.0	<2.0	<4.0	<2.0	<100	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<2.0	<4.0	<2.0	<100	<2.0	<2.0	<2.0
Methylene Chloride	4.6	**26.7 JB**	<10	<10	<5.0	<250	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<10	<10	<5.0	**67000**	**4.2 J**	<5.0	<5.0
Styrene	100	<1.0	<5.0	<2.0	<1.0	<50	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<1.0	<5.0	<2.0	<1.0	<50	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	**86.7**	<5.0	<2.0	<1.0	<50	**25.2**	<1.0	<1.0
1,2-Dichloropropane	0.51	**2.8**	<5.0	<2.0	<1.0	<50	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	<5.0	<2.0	<1.0	<50	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<1.0	<5.0	<2.0	<1.0	<50	<1.0	<1.0	<1.0
2-hexanone	280	**55.1**	<50	<20	<10	<500	**40**	<10	<10
4-Methyl-2-pentanone	NS	<5.0	<5.0	<10	<5.0	<250	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<5.0	<2.0	<1.0	<50	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<5.0	<2.0	**0.56 J**	<50	<1.0	<1.0	<1.0
					Bold type indicates detectable concentrations.				
					Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).				

J= estimated

Printed: 3/27/2008
Samples analyzed by Accutest

Table 4.5
Analytical Data Summary
NW Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A
Well ID:		USTHPFFC-MW76	USTHPFFC-MW44	USTHPFFC-MW47	USTHPFFC-MW53	UST1115-MW23	UST1115-MW22	UST1115-MW24	USTHPFFC-MW74
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep	Deep
Laboratory Sample ID:		F52139-1	F52139-2	F52139-4	F52139-9	F52022-9	F52022-12	F52091-6	F52091-10
Date Sampled:		8/25/07	8/25/07	8/25/07	8/25/07	8/22/07	8/22/07	8/23/07	8/23/07
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	<1.0	<1.0	**993**	<1.0	<5.0	**600**	**4.4**	<10
Ethylbenzene	550	<1.0	<1.0	**31.5**	<1.0	<5.0	<10	<1.0	<10
Toluene	1000	<1.0	<1.0	<20	<1.0	<5.0	<10	<1.0	<10
Xylenes (total)	530	<3.0	<3.0	<60	<3.0	<15	<30	<3.0	<30
Total BTEX		0	0	**1024.5**	0	0	**600**	**4.4**	0
VOA EPA 8260B									
Acetone	700	<25	<25	<500	<25	<130	<250	<25	**1840**
Chloroform	70	**0.24 JB**	<1.0	**9.3 JB**	**2.2**	<5.0	**4.3 J**	<1.0	**4.6 J**
Carbon disulfide	700	<2.0	<2.0	<40	<2.0	<10	<20	<2.0	<20
Methyl Chloride	2.6	<2.0	<2.0	<40	<2.0	<10	<20	<2.0	<20
Methylene Chloride	4.6	<5.0	<5.0	**57.5 JB**	<5.0	**18.7 J**	<50	<5.0	<50
Methyl ethyl ketone	4200	<5.0	<5.0	<100	<5.0	<10	<50	<5.0	**27100**
Styrene	100	<1.0	<1.0	<20	<1.0	<5.0	<10	<1.0	<10
1,1-Dichloroethylene	7.0	<1.0	<1.0	<20	<1.0	<5.0	<10	<1.0	<10
1,2-Dichloroethane	0.38	<1.0	<1.0	**24.8**	<1.0	**330**	<10	**29.9**	<10
1,2-Dichloropropane	0.51	<1.0	<1.0	**12.3 J**	<1.0	<5.0	<10	<1.0	<10
cis-1,2-Dichloroethylene	70	**2.9**	<1.0	**78.8**	<1.0	<5.0	<10	<1.0	<10
trans-1,2-Dichloroethylene	100	**0.43 J**	<1.0	<20	<1.0	<5.0	<10	<1.0	<10
2-hexanone	280	<10	<10	<200	<10	<50	<10	<10	<100
4-Methyl-2-pentanone	NS	<5.0	<5.0	<100	<5.0	<5.0	<50	<5.0	<50
Tetrachloroethylene	0.7	<1.0	<1.0	**10.6 J**	<1.0	<5.0	<10	<1.0	<10
Trichloroethylene	2.8	**83.7**	**0.86**	**249**	<1.0	<5.0	<10	<1.0	<10
		Bold type indicates detectable concentrations.							Bold type indicates
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							Shaded area indicat

J= estimated

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Samples analyzed by Accutest

Table 4.5
Analytical Data Summary
NW Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	
Well ID:		UST1115-MW25	USTHPFFC-MW56	USTHPFFC-MW13	USTHPFFC-MW43	USTHPFFC-MW55	
Well Depth:		Deep	Deep	Deep	Deep	Deep	
Laboratory Sample ID:		F52091-12	F52091-15	F52091-16	F52139-3	F52139-10	
Date Sampled:		8/24/07	8/24/07	8/24/07	8/25/07	8/25/07	
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	
VOA EPA 8260B							
Benzene	1	**0.83 J**	<1.0	<1.0	<1.0	<1.0	
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	<1.0	
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	
Xylenes (total)	530	**0.65 J**	<3.0	<3.0	<3.0	<3.0	
Total BTEX		**1.48**	0	0	0	0	
VOA EPA 8260B							
Acetone	700	<25	**111**	**113**	<25	<25	
Chloroform	70	<1.0	<1.0	<1.0	<1.0	**2.4**	
Carbon disulfide	700	<2.0	<2.0	<2.0	<2.0	<2.0	
Methyl Chloride	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	
Methylene Chloride	4.6	<5.0	<5.0	<5.0	<5.0	<5.0	
Methyl ethyl ketone	4200	<5.0	<5.0	<5.0	<5.0	<5.0	
Styrene	100	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethylene	7.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dichloroethane	0.38	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dichloropropane	0.51	<1.0	<1.0	<1.0	<1.0	<1.0	
cis-1,2-Dichloroethylene	70	<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,2-Dichloroethylene	100	<1.0	<1.0	<1.0	<1.0	<1.0	
2-hexanone	280	<10	<10	<10	<10	<10	
4-Methyl-2-pentanone	NS	<5.0	<5.0	<5.0	<5.0	<5.0	
Tetrachloroethylene	0.7	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethylene	2.8	<1.0	<1.0	<1.0	**0.83**	<1.0	
		detectable concentrations.					
		es detectable concentrations above the groundwater quality standards (GWQS).					

J= estimated

Printed: 3/27/2008
Samples analyzed by Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Table 4.6 Analytical Data Summary

NW Sampling Event **Feb 2008 NW Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		UST1115-MW01	UST1115-MW02	UST1115-MW04	UST1115-MW07	UST1115-MW09	UST1115GT-MW01	UST1115GT-MW07	UST1115GT-MW09
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		2/27/08	2/27/08	2/27/08	2/27/08	2/26/08	2/26/08	2/26/08	2/26/08
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	NM	NM	NM	7.92	9.95	NM	5.82	6.28
pH	-	NM	NM	NM	6.15	5.97	NM	6.75	5.47
Conductivity	mS/m	NM	NM	NM	3.577	2.456	NM	2.839	2.520
Turbidity	NTU	NM	NM	NM	16.2	12.9	NM	1279.4	112.0
Dissolved Oxygen	mg/L	NM	NM	NM	5.81	1.47	NM	6.39	1.83
Temperature	°C	NM	NM	NM	24.17	24.19	NM	27.41	22.56
Oxidation-Reduction Potential	mV	NM	NM	NM	-199.8	-144.3	NM	-75.9	-40.2

Table 4.6 Analytical Data Summary

NW Sampling Event **Feb 2008 NW Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFF-MW12	USTHPFF-MW20	USTHPFFC-MW36	USTHPFFC-MW39	USTHPFFC-MW48	USTHPFFC-MW51	USTHPFFC-MW54	UST1115-MW13
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate
Date Sampled:		2/26/08	2/26/08	2/26/08	2/25/08	2/25/08	2/27/08	2/27/08	2/25/08
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	7.68	NM	NM	11.18	NM	12.08	NM	10.68
pH	-	4.46	NM	NM	7.79	NM	6.57	NM	5.17
Conductivity	mS/m	1.976	NM	NM	0.382	NM	0.509	NM	2.279
Turbidity	NTU	36.9	NM	NM	0	NM	0.0	NM	0
Dissolved Oxygen	mg/L	2.27	NM	NM	0.37	NM	3.77	NM	1.57
Temperature	°C	22.29	NM	NM	21.20	NM	21.09	NM	25.31
Oxidation-Reduction Potential	mV	123.4	NM	NM	-14.8	NM	301.4	NM	239.4

Table 4.6 Analytical Data Summary

NW Sampling Event **Feb 2008 NW Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		UST1115-MW14	UST1115-MW15	UST1115-MW17	UST1115-MW18	UST1115-MW20	UST1115-MW21	USTHPFFC-MW44	USTHPFFC-MW47
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Date Sampled:		2/25/08	2/25/08	2/25/08	2/26/08	2/27/08	2/25/08	2/25/08	2/25/08
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	12.88	NM	11.87	11.56	10.72	10.70	NM	11.31
pH	-	4.38	NM	6.76	7.15	5.62	6.17	NM	6.93
Conductivity	mS/m	2.998	NM	7.135	1.749	2.763	0.169	NM	0.612
Turbidity	NTU	0	NM	0	0	15.7	0	NM	0.0
Dissolved Oxygen	mg/L	0.52	NM	0.94	2.08	1.46	0.87	NM	0.55
Temperature	°C	24.50	NM	20.89	21.90	24.09	24.64	NM	21.29
Oxidation-Reduction Potential	mV	240.5	NM	-31.8	108.5	-39.8	155.4	NM	-22.2

Table 4.6 Analytical Data Summary

NW Sampling Event **Feb 2008 NW Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFFC-MW50	USTHPFFC-MW53	USTHPFFC-MW73	USTHPFFC-MW76	UST1115-MW22	UST1115-MW23	UST1115-MW24	UST1115-MW25
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep	Deep
Date Sampled:		2/25/08	2/25/08	2/25/08	2/25/08	2/25/08	2/25/08	2/25/08	2/25/08
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	NM	NM	NM	NM	13.34	NM	12.04	11.37
pH	-	NM	NM	NM	NM	7.75	NM	6.65	7.55
Conductivity	mS/m	NM	NM	NM	NM	1.786	NM	1.639	0.388
Turbidity	NTU	NM	NM	NM	NM	0	NM	0	0
Dissolved Oxygen	mg/L	NM	NM	NM	NM	1.75	NM	0.81	1.79
Temperature	°C	NM	NM	NM	NM	24.16	NM	23.85	26.18
Oxidation-Reduction Potential	mV	NM	NM	NM	NM	-154.2	NM	-142.5	-39.7

Table 4.6 Analytical Data Summary

NW Sampling Event **Feb 2008 NW Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFFC-MW13	USTHPFFC-MW43	USTHPFFC-MW55	USTHPFFC-MW56	USTHPFFC-MW74
Well Depth:		Deep	Deep	Deep	Deep	Deep
Date Sampled:		2/25/08	2/25/08	2/25/08	2/25/08	2/25/08 .
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters						
Depth to Water	feet	NM	NM	NM	NM	NM
pH	-	NM	NM	NM	NM	NM
Conductivity	mS/m	NM	NM	NM	NM	NM
Turbidity	NTU	NM	NM	NM	NM	NM
Dissolved Oxygen	mg/L	NM	NM	NM	NM	NM
Temperature	°C	NM	NM	NM	NM	NM
Oxidation-Reduction Potential	mV	NM	NM	NM	NM	NM

Table 4.7
Analytical Data Summary
NW Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A
Well ID:		USTHPFF-MW12	USTHPFFC-MW36	UST1115-MW01	UST1115GT-MW07	UST1115-MW07	UST1115-MW09	UST1115GT-MW09	UST1115-MW04
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F55903-15	NS	NS	F55903-12	F55952-2	F55903-11	F55903-13	NS
Date Sampled:		2/26/08	NS	NS	2/26/08	2/27/08	2/26/08	2/26/08	NS
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	**1110**	NS	NS	**71.0**	**4250**	**107**	**2.3**	NS
Ethylbenzene	550	**85**	NS	NS	**0.89 J**	**1040**	**0.47 J**	**0.21 J**	NS
Toluene	1000	**773**	NS	NS	<1.0	**6350**	<2.0	<1.0	NS
Xylenes (total)	530	**294**	NS	NS	<3.0	**3530**	<6.0	<3.0	NS
Total BTEX		**2262**	NS	NS	**71**	**15170**	**107**	**2.3**	NS
VOA EPA 8260B									
Acetone	700	<500	NS	NS	<25	<1300	<50	<25	NS
Chloroform	70	<20	NS	NS	<1.0	<50	<2.0	<1.0	NS
Carbon disulfide	700	<40	NS	NS	<2.0	<100	<4.0	<2.0	NS
Methyl Chloride	2.6	<40	NS	NS	<2.0	<100	<4.0	<2.0	NS
Methylene Chloride	4.6	**203 JB**	NS	NS	<5.0	**70.1 JB**	**27.3 JB**	<5.0	NS
Methyl ethyl ketone	4200	<100	NS	NS	<5.0	<250	<10	<5.0	NS
Styrene	100	<20	NS	NS	<1.0	<50	<2.0	<1.0	NS
1,1-Dichloroethylene	7.0	<20	NS	NS	<1.0	<50	<2.0	<1.0	NS
1,2-Dichloroethane	0.38	**212**	NS	NS	**3.3**	**23.4 J**	<2.0	**0.50 J**	NS
1,2-Dichloropropane	0.51	<20	NS	NS	**0.75 J**	<50	<2.0	<1.0	NS
cis-1,2-Dichloroethylene	70	<20	NS	NS	<1.0	<50	<2.0	<1.0	NS
trans-1,2-Dichloroethylene	100	<20	NS	NS	<1.0	<50	<2.0	<1.0	NS
2-hexanone	280	<200	NS	NS	<10	<500	<20	<10	NS
4-Methyl-2-pentanone	NS	<100	NS	NS	<5.0	<250	<10	<5.0	NS
Tetrachloroethylene	0.7	<20	NS	NS	<1.0	<50	<2.0	<1.0	NS
Trichloroethylene	2.8	<20	NS	NS	**0.47 J**	<50	<2.0	**0.60 J**	NS
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

Printed: 4/3/2008
Samples analyzed by Accutest

Table 4.7
Analytical Data Summary
NW Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A
Well ID:		UST1115-MW02	UST1115GT-MW01	USTHPFF-MW20	USTHPFFC-MW48	USTHPFFC-MW39	USTHPFFC-MW51	USTHPFFC-MW54	UST1115-MW20
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate
Laboratory Sample ID:		NS	NS	NS	NS	F55903-1	F55952-1	NS	F55952-3
Date Sampled:		NS	NS	NS	NS	2/25/08	2/27/08	NS	2/27/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	NS	NS	NS	NS	<1.0	**9020**	NS	**3280**
Ethylbenzene	550	NS	NS	NS	NS	<1.0	**232**	NS	**74.4**
Toluene	1000	NS	NS	NS	NS	<1.0	**47.7 J**	NS	**44.1 J**
Xylenes (total)	530	NS	NS	NS	NS	<3.0	<300	NS	**35.7 J**
Total BTEX		NS	NS	NS	NS	**0**	**9252**	NS	**3354.4**
VOA EPA 8260B									
Acetone	700	NS	NS	NS	NS	<25	<2500	NS	<1300
Chloroform	70	NS	NS	NS	NS	<1.0	<100	NS	<50
Carbon disulfide	700	NS	NS	NS	NS	<2.0	<200	NS	<100
Methyl Chloride	2.6	NS	NS	NS	NS	**0.67 J**	<200	NS	<100
Methylene Chloride	4.6	NS	NS	NS	NS	<5.0	**210 JB**	NS	**57.0 JB**
Methyl ethyl ketone	4200	NS	NS	NS	NS	<5.0	<500	NS	<250
Styrene	100	NS	NS	NS	NS	<1.0	<100	NS	<50
1,1-Dichloroethylene	7.0	NS	NS	NS	NS	<1.0	<100	NS	<50
1,2-Dichloroethane	0.38	NS	NS	NS	NS	<1.0	<100	NS	<50
1,2-Dichloropropane	0.51	NS	NS	NS	NS	<1.0	<100	NS	<50
cis-1,2-Dichloroethylene	70	NS	NS	NS	NS	<1.0	<100	NS	<50
trans-1,2-Dichloroethylene	100	NS	NS	NS	NS	<1.0	<100	NS	<50
2-hexanone	280	NS	NS	NS	NS	<10	<1000	NS	<500
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	<5.0	<500	NS	<250
Tetrachloroethylene	0.7	NS	NS	NS	NS	<1.0	<100	NS	<50
Trichloroethylene	2.8	NS	NS	NS	NS	<1.0	<100	NS	<50
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

Printed: 4/3/2008
Samples analyzed by Accutest

Table 4.7
Analytical Data Summary
NW Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A
Well ID:		UST1115-MW18	UST1115-MW17	UST1115-MW14	UST1115-MW21	USTHPFFC-MW73	UST1115-MW13	UST1115-MW15	USTHPFFC-MW50
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory Sample ID:		F55903-14	F55903-7	F55903-3	F55903-4	NS	F55903-9	NS	NS
Date Sampled:		2/26/08	2/25/08	2/25/08	2/25/08	NS	2/25/08	NS	NS
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	**3.1**	**442**	**229**	**1.7**	NS	**40.8**	NS	NS
Ethylbenzene	550	**0.33 J**	**21.4**	**1.1 J**	**0.34 J**	NS	**0.75 J**	NS	NS
Toluene	1000	**0.29 J**	<5.0	**2.4**	<1.0	NS	**0.37 J**	NS	NS
Xylenes (total)	530	<3.0	**11.4 J**	**1.1 J**	<3.0	NS	**2.4 J**	NS	NS
Total BTEX		**3.1**	**463.4**	**231.4**	**1.7**	NS	**40.8**	NS	NS
VOA EPA 8260B									
Acetone	700	<25	<130	<50	<25	NS	<25	NS	NS
Chloroform	70	<1.0	<5.0	<2.0	<1.0	NS	<1.0	NS	NS
Carbon disulfide	700	<2.0	<10	<4.0	<2.0	NS	<2.0	NS	NS
Methyl Chloride	2.6	<2.0	<10	<4.0	<2.0	NS	<2.0	NS	NS
Methylene Chloride	4.6	**26.7 JB**	**48.1 JB**	**7.0 JB**	<5.0	NS	<5.0	NS	NS
Methyl ethyl ketone	4200	<5.0	<25	**7.2 J**	<5.0	NS	**4.2 J**	NS	NS
Styrene	100	<1.0	<5.0	<2.0	<1.0	NS	<1.0	NS	NS
1,1-Dichloroethylene	7.0	<1.0	<5.0	<2.0	<1.0	NS	<1.0	NS	NS
1,2-Dichloroethane	0.38	**17.3**	**21.8**	**6.3**	<1.0	NS	**13.5**	NS	NS
1,2-Dichloropropane	0.51	**1.2**	**1.9 J**	**0.97 J**	<1.0	NS	**0.76 J**	NS	NS
cis-1,2-Dichloroethylene	70	<1.0	**3.2 J**	**3.1**	<1.0	NS	<1.0	NS	NS
trans-1,2-Dichloroethylene	100	<1.0	<5.0	<2.0	<1.0	NS	<1.0	NS	NS
2-hexanone	280	<10	<50	<20	<10	NS	<10	NS	NS
4-Methyl-2-pentanone	NS	<5.0	<25	<10	<5.0	NS	<5.0	NS	NS
Tetrachloroethylene	0.7	<1.0	<5.0	<2.0	<1.0	NS	<1.0	NS	NS
Trichloroethylene	2.8	<1.0	<5.0	**3.9**	**1.3**	NS	<1.0	NS	NS
					Bold type indicates detectable concentrations.				
					Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).				

J= estimated

Printed: 4/28/2008
Samples analyzed by Accutest

Table 4.7
Analytical Data Summary
NW Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A
Well ID:		USTHPFFC-MW76	USTHPFFC-MW44	USTHPFFC-MW47	USTHPFFC-MW53	UST1115-MW23	UST1115-MW22	UST1115-MW24	USTHPFFC-MW74
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep	Deep
Laboratory Sample ID:		NS	NS	F55903-2	NS	NS	F55903-6	F55903-5	NS
Date Sampled:		NS	NS	2/25/08	NS	NS	2/25/08	2/25/08	NS
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	NS	NS	**747**	NS	NS	**174**	**1.4**	NS
Ethylbenzene	550	NS	NS	**25.8**	NS	NS	**0.59 J**	**0.36 J**	NS
Toluene	1000	NS	NS	<10	NS	NS	**0.65 J**	<1.0	NS
Xylenes (total)	530	NS	NS	<30	NS	NS	<6	<3.0	NS
Total BTEX		NS	NS	**772.8**	NS	NS	**174**	**1.4**	NS
VOA EPA 8260B									
Acetone	700	NS	NS	<250	NS	NS	<50	<25	NS
Chloroform	70	NS	NS	<10	NS	NS	<2.0	<1.0	NS
Carbon disulfide	700	NS	NS	<20	NS	NS	**1.9 J**	<2.0	NS
Methyl Chloride	2.6	NS	NS	<20	NS	NS	<4.0	<2.0	NS
Methylene Chloride	4.6	NS	NS	**35.4 JB**	NS	NS	**12.1 B**	<5.0	NS
Methyl ethyl ketone	4200	NS	NS	<50	NS	NS	<10	<5.0	NS
Styrene	100	NS	NS	<10	NS	NS	<2.0	<1.0	NS
1,1-Dichloroethylene	7.0	NS	NS	<10	NS	NS	<2.0	<1.0	NS
1,2-Dichloroethane	0.38	NS	NS	**24.0**	NS	NS	**4.1**	**25.1**	NS
1,2-Dichloropropane	0.51	NS	NS	**11.6**	NS	NS	<2.0	**2.2**	NS
cis-1,2-Dichloroethylene	70	NS	NS	**64.5**	NS	NS	<2.0	<1.0	NS
trans-1,2-Dichloroethylene	100	NS	NS	<10	NS	NS	<2.0	<1.0	NS
2-hexanone	280	NS	NS	<100	NS	NS	<2.0	<10	NS
4-Methyl-2-pentanone	NS	NS	NS	<50	NS	NS	<10	<5.0	NS
Tetrachloroethylene	0.7	NS	NS	**5.9 J**	NS	NS	<2.0	<1.0	NS
Trichloroethylene	2.8	NS	NS	**190**	NS	NS	**0.87 J**	**1.4**	NS
		Bold type indicates detectable concentrations.							**Bold type indicates**
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							**Shaded area indicat**

J= estimated

Printed: 4/3/2008
Samples analyzed by Accutest

Table 4.7
Analytical Data Summary
NW Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	
Well ID:		UST1115-MW25	USTHPFFC-MW56	USTHPFFC-MW13	USTHPFFC-MW43	USTHPFFC-MW55	
Well Depth:		Deep	Deep	Deep	Deep	Deep	
Laboratory Sample ID:		F55903-8	NS	NS	NS	NS	
Date Sampled:		2/25/08	NS	NS	NS	NS	
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	
VOA EPA 8260B							
Benzene	1	3.9	NS	NS	NS	NS	
Ethylbenzene	550	**0.61 J**	NS	NS	NS	NS	
Toluene	1000	<1.0	NS	NS	NS	NS	
Xylenes (total)	530	<3.0	NS	NS	NS	NS	
Total BTEX		**3.9**	NS	NS	NS	NS	
VOA EPA 8260B							
Acetone	700	<25	NS	NS	NS	NS	
Chloroform	70	<1.0	NS	NS	NS	NS	
Carbon disulfide	700	<2.0	NS	NS	NS	NS	
Methyl Chloride	2.6	**0.44 J**	NS	NS	NS	NS	
Methylene Chloride	4.6	<5.0	NS	NS	NS	NS	
Methyl ethyl ketone	4200	<5.0	NS	NS	NS	NS	
Styrene	100	<1.0	NS	NS	NS	NS	
1,1-Dichloroethylene	7.0	<1.0	NS	NS	NS	NS	
1,2-Dichloroethane	0.38	<1.0	NS	NS	NS	NS	
1,2-Dichloropropane	0.51	<1.0	NS	NS	NS	NS	
cis-1,2-Dichloroethylene	70	<1.0	NS	NS	NS	NS	
trans-1,2-Dichloroethylene	100	<1.0	NS	NS	NS	NS	
2-hexanone	280	<10	NS	NS	NS	NS	
4-Methyl-2-pentanone	NS	<5.0	NS	NS	NS	NS	
Tetrachloroethylene	0.7	<1.0	NS	NS	NS	NS	
Trichloroethylene	2.8	**0.44 J**	NS	NS	NS	NS	
		detectable concentrations.					
		es detectable concentrations above the groundwater quality standards (GWQS).					

J= estimated

Printed: 4/3/2008
Samples analyzed by Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Table 4.8 Analytical Data Summary

SE Sampling Event **August 2007 SE Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		USTHPFF-MW01	USTHPFF-MW06	USTHPFF-MW09	USTHPFF-MW10R	USTHPFF-MW11	USTHPFF-MW15	USTHPFF-MW17	USTHPFF-MW18
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		8/15/07	8/21/07	8/16/07	8/21/07	8/16/07	8/17/07	8/16/07	8/15/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	9.80	9.21	10.90	12.92	6.60	9.20	11.71	12.25
pH	-	5.24	5.21	6.30	5.91	3.97	6.17	5.97	5.26
Conductivity	mS/m	1.733	2.118	0.233	3.128	2.597	0.262	2.948	2.580
Turbidity	NTU	0	76.7	11.0	3.7	2108.7	2.6	0	0
Dissolved Oxygen	mg/L	1.40	4.91	2.91	1.96	4.86	0.35	2.02	1.62
Temperature	°C	23.61	24.01	24.72	24.52	25.43	25.07	23.23	24.65
Oxidation-Reduction Potential	mV	-95.3	-68.8	269.0	-109.3	151.3	-109.1	-77.2	-117.3

Table 4.8 Analytical Data Summary

SE Sampling Event **August 2007 SE Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		USTHPFF-MW19	USTHPFFC-MW01	USTHPFFC-MW02	USTHPFFC-MW03	USTHPFFC-MW05	USTHPFFC-MW15	USTHPFFC-MW19	USTHPFFC-MW20
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		8/14/07	8/23/07	8/20/07	8/14/07	8/16/07	8/16/07	8/20/07	8/14/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	12.60	5.35	7.37	10.64	7.28	7.16	6.47	8.39
pH	-	5.36	5.47	4.28	3.65	5.39	5.10	5.86	5.73
Conductivity	mS/m	1.399	0.186	2.287	2.401	2.404	3.148	3.836	1.558
Turbidity	NTU	36.1	0	26.7	0	102.1	12.0	0	0
Dissolved Oxygen	mg/L	2.25	3.50	2.11	1.20	1.32	3.44	4.09	0.96
Temperature	°C	26.33	24.52	22.05	24.62	29.02	23.06	23.69	25.41
Oxidation-Reduction Potential	mV	80.7	171.3	-24.3	134.2	-6.5	-42.4	184.1	-152.6

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Table 4.8 Analytical Data Summary

SE Sampling Event **August 2007 SE Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		USTHPFFC-MW31	USTHPFFC-MW38	USTHPFFC-MW72	UST1101-MW01	USTHPFFC-MW06	USTHPFFC-MW07	USTHPFFC-MW08	USTHPFFC-MW09	USTHPFFC-MW60
Well Depth:		Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Date Sampled:		8/15/07	8/15/07	8/17/07	8/16/07	8/14/07	8/23/07	8/15/07	8/16/07	8/20/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters										
Depth to Water	feet	8.90	8.83	5.95	8.04	11.92	10.76	16.57	9.30	9.83
pH	-	6.80	5.05	5.75	5.78	4.68	5.67	6.36	5.95	6.19
Conductivity	mS/m	0.517	2.778	0.294	3.400	1.897	2.012	2.214	6.687	2.515
Turbidity	NTU	3	2106.0	35.6	0	3.3	0	0	74.5	0.7
Dissolved Oxygen	mg/L	2.07	6.97	0.18	4.33	1.10	3.51	1.86	1.20	1.87
Temperature	°C	24.76	25.37	24.12	28.54	22.28	21.05	24.81	24.57	21.78
Oxidation-Reduction Potential	mV	473.1	99.2	-124.3	65.1	62.5	7.4	-169.0	-110.4	-84.9

Table 4.8 Analytical Data Summary

SE Sampling Event **August 2007 SE Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		USTHPFFC-MW63	USTHPFFC-MW66	USTHPFFC-MW70	USTHPFFC-MW77	USTHPFFC-MW10	USTHPFFC-MW11	USTHPFFC-MW12
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep
Date Sampled:		8/15/07	8/17/07	8/16/07	8/15/07	8/16/07	8/15/07	8/20/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters								
Depth to Water	feet	10.99	9.42	11.85	11.56	15.18	14.9	10.93
pH	-	4.98	6.81	7.03	5.35	6.55	7.07	6.58
Conductivity	mS/m	0.200	0.708	0.999	0.100	4.071	3.004	1.837
Turbidity	NTU	8.7	7.8	11.5	2.2	21.5	0	0.1
Dissolved Oxygen	mg/L	0.63	0.67	0.35	2.67	2.43	1.23	2.02
Temperature	°C	22.05	22.87	21.62	21.33	22.3	26.07	22.48
Oxidation-Reduction Potential	mV	568.2	15.2	-54.8	397.1	-43.5	40	-14.8

Table 4.8 Analytical Data Summary

SE Sampling Event **August 2007 SE Field Parameter**

Sampling Event:		2007-B	2007-B	2007-B	2007-B	2007-B	2007-B	2007-B
Well ID:		USTHPFFC-MW59	USTHPFFC-MW61	USTHPFFC-MW71	IR78-GW17-02	IR78-GW31-02	IR78-GW32-02	IR78-GW32-03
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep	Deep
Date Sampled:		8/23/07	8/20/07	8/16/07	8/16/07	8/14/07	8/18/07	8/18/07
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters								
Depth to Water	feet	10.82	10.70	13.17	14.76	10.82	9.36	10.58
pH	-	7.38	8.03	7.69	7.07	7.16	6.67	6.7
Conductivity	mS/m	0.664	3.356	0.438	0.624	0.504	3.053	5.049
Turbidity	NTU	0	0	13.4	5.6	23.2	0	0
Dissolved Oxygen	mg/L	0.64	3.82	0.28	0.38	0.18	7.6	8.6
Temperature	°C	20.67	22.73	21.54	22.33	24.04	22.36	22.28
Oxidation-Reduction Potential	mV	84.5	30.0	-54.4	-56.7	-7.2	-79.2	-53.2

Table 4.9
Analytical Data Summary
SE Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A
Well ID:		USTHPFFC-MW20	USTHPFFC-MW03	USTHPFF-MW19	USTHPFFC-MW38	USTHPFF-MW18	USTHPFF-MW01	USTHPFFC-MW31	USTHPFF-MW17A
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F51845-2	F51845-3	F51845-5	F51845-6	F51845-7	F51845-8	F51845-13	F51931-2
Date Sampled:		8/14/07	8/14/07	8/14/07	8/15/07	8/15/07	8/15/07	8/15/07	8/16/07
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	**374**	<1.0	<1.0	<1.0	**15400**	**4530**	<1.0	**7240**
Ethylbenzene	550	**272**	<1.0	<1.0	<1.0	**1180**	**2270**	<1.0	**2740**
Toluene	1000	**77.3**	<1.0	<1.0	<1.0	**29500**	**22200**	<1.0	**26600**
Xylenes (total)	530	**599**	<3.0	<3.0	<3.0	**7940**	**13300**	<3.0	**7780**
Total 8TEX		**1322.3**	**0**	**0**	**0**	**54020**	**42300**	**0**	**44360**
VOA EPA 8260B									
Acetone	700	<130	<25	<25	<25	<5000	<5000	<25	<500
Chloroform	70	**1.5 JB**	<1.0	<1.0	<1.0	**84.5 J**	**75.7 J**	<1.0	<500
Methyl Chloride	2.6	<10	<2.0	<2.0	<2.0	<400	<400	<2.0	<1000
Methylene Chloride	4.6	**13.4 J**	<5.0	<5.0	<5.0	**443 J**	<1000	<5.0	<2500
Methyl ethyl ketone	4200	<25	<5.0	<5.0	<5.0	<1000	<1000	<5.0	<2500
Styrene	100	**4.8 J**	<1.0	<1.0	<1.0	<200	<200	<1.0	<500
1,1-Dichloroethylene	7.0	<5.0	<1.0	<1.0	<1.0	<200	<200	<1.0	<500
1,2-Dichloroethane	0.38	<5.0	<1.0	<1.0	<1.0	<200	**104 J**	<1.0	<500
1,2-Dichloropropane	0.51	<5.0	<1.0	<1.0	<1.0	<200	<200	<1.0	<500
cis-1,2-Dichloroethylene	70	<5.0	<1.0	<1.0	<1.0	<200	<200	<1.0	<500
4-Methyl-2-pentanone	NS	<25	<5.0	<5.0	<5.0	<1000	<1000	<5.0	<2500
Tetrachloroethylene	0.7	<5.0	<1.0	<1.0	<1.0	<200	<200	<1.0	<500
Trichloroethylene	2.8	<5.0	<1.0	<1.0	<1.0	<200	<200	<1.0	<500
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

Printed: 3/27/2008
Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A
Well ID:		USTHPFFC-MW15	USTHPFFC-MW05	UST1101-MW01	USTHPFF-MW11	USTHPFF-MW09	USTHPFFC-MW72	USTHPFF-MW15	USTHPFFC-MW19
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F51931-3	F51931-5	F51931-6	F51931-7	F51931-9	F51931-13	F51931-14	F51956-3
Date Sampled:		8/16/07	8/16/07	8/16/07	8/16/07	8/16/07	8/17/07	8/17/07	8/20/07
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	**21300**	<1.0	<1.0	<1.0	<1.0	**16800**	**561**	**13700**
Ethylbenzene	550	**1100**	<1.0	<1.0	<1.0	<1.0	**1880**	**3080**	**970**
Toluene	1000	**32700**	**0.66 J**	<1.0	<1.0	<1.0	**28400**	**8510**	**11200**
Xylenes (total)	530	**9940**	<3.0	<3.0	<3.0	<3.0	**8290**	**16900**	**3350**
Total BTEX		**65040**	**0.66**	**0**	**0**	**0**	**55370**	**29051**	**29220**
VOA EPA 8260B									
Acetone	700	<13000	<25	<25	<25	<25	<13000	<2500	**5000**
Chloroform	70	**218 J**	<1.0	<1.0	<1.0	<1.0	**216 J**	**44.4 J**	**81.5 J**
Methyl Chloride	2.6	<1000	<2.0	<2.0	<2.0	<2.0	<1000	<200	<400
Methylene Chloride	4.6	**1000 J**	<5.0	<5.0	<5.0	<5.0	**1530 J**	**534 J**	**668 J**
Methyl ethyl ketone	4200	<2500	<5.0	<5.0	<5.0	<5.0	<2500	<500	**1830**
Styrene	100	<500	<1.0	<1.0	<1.0	<1.0	<500	<100	<200
1,1-Dichloroethylene	7.0	<500	<1.0	<1.0	<1.0	<1.0	<500	<100	<200
1,2-Dichloroethane	0.38	<500	<1.0	<1.0	**41.9**	<1.0	<500	<100	**2130**
1,2-Dichloropropane	0.51	<500	<1.0	<1.0	**0.32 J**	<1.0	<500	<100	<200
cis-1,2-Dichloroethylene	70	<500	<1.0	<1.0	<1.0	<1.0	<500	<100	<200
4-Methyl-2-pentanone	NS	<2500	<5.0	<5.0	<5.0	<5.0	<2500	<500	<1000
Tetrachloroethylene	0.7	<500	<1.0	<1.0	<1.0	<1.0	<500	<100	<200
Trichloroethylene	2.8	<500	<1.0	<1.0	<1.0	<1.0	<500	<100	<200
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

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Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A
Well ID:		USTHPFFC-MW02	USTHPFF-MW06	USTHPFF-MW10R	USTHPFFC-MW01	USTHPFFC-MW06	USTHPFFC-MW08	USTHPFFC-MW77	USTHPFFC-MW63
Well Depth:		Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory Sample ID:		F51956-4	F52022-1	F52022-2	F52091-3	F51845-1	F51845-9	F51845-11	F51845-12
Date Sampled:		8/20/07	8/21/07	8/21/07	8/23/07	8/14/07	8/15/07	8/15/07	8/15/07
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	<1.0	**38.1**	**1240**	<1.0	**0.76 J**	**7730**	<1.0	<1.0
Ethylbenzene	550	<1.0	**12.8**	**307**	<1.0	<1.0	**323**	<1.0	<1.0
Toluene	1000	<1.0	**19.7**	**828**	<1.0	<1.0	**324**	<1.0	<1.0
Xylenes (total)	530	<3.0	**34.3**	**1320**	<3.0	<3.0	**979**	<3.0	<3.0
Total BTEX		**0**	**104.9**	**3695**	**0**	**0.76**	**9356**	**0**	**0**
VOA EPA 8260B									
Acetone	700	<25	<25	<500	<25	<25	<250	<25	<25
Chloroform	70	<1.0	<1.0	**10.0 JB**	<1.0	<1.0	**6.5 JB**	<1.0	<1.0
Methyl Chloride	2.6	<2.0	<2.0	<40	<2.0	<2.0	<20	<2.0	<2.0
Methylene Chloride	4.6	<5.0	<5.0	**76.9 J**	<5.0	<5.0	**26.7 JB**	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<5.0	<100	<5.0	<5.0	<50	<5.0	<5.0
Styrene	100	<1.0	<1.0	<20	<1.0	<1.0	<10	<1.0	<1.0
1,1-Dichloroethylene	7.0	<1.0	<1.0	<20	<1.0	<1.0	<10	<1.0	<1.0
1,2-Dichloroethane	0.38	<1.0	<1.0	**28.6**	<1.0	<1.0	<10	<1.0	<1.0
1,2-Dichloropropane	0.51	<1.0	<1.0	<20	<1.0	<1.0	<10	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	<1.0	<20	<1.0	<1.0	<10	<1.0	<1.0
4-Methyl-2-pentanone	NS	<5.0	<5.0	<100	<5.0	<5.0	**35.8**	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<1.0	<20	<1.0	<1.0	<10	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<1.0	<20	<1.0	<1.0	<10	<1.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

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Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A
Well ID:		USTHPFFC-MW09	USTHPFFC-MW70	USTHPFFC-MW66	USTHPFFC-MW60	USTHPFFC-MW07	IR78-GW31-02	USTHPFFC-MW11	USTHPFFC-MW10
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep
Laboratory Sample ID:		F51931-4	F51931-10	F51931-12	F51956-5	F52091-1	F51845-4	F51845-10	F51931-1
Date Sampled:		8/16/07	8/16/07	8/17/07	8/20/07	8/23/07	8/14/07	8/15/07	8/16/07
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	<1.0	<1.0	**3830**	**6700**	**2.0**	<1.0	<1.0	**0.73 J**
Ethylbenzene	550	<1.0	<2.0	**324**	**57 J**	<1.0	<1.0	<1.0	<1.0
Toluene	1000	**0.88 J**	<1.0	<100	<100	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	**379**	<300	<3.0	<3.0	<3.0	<3.0
Total BTEX		**0.88**	**0**	**4533**	**6757**	**2**	**0**	**0**	**0**
VOA EPA 8260B									
Acetone	700	<25	<25	<2500	<2500	<25	<25	<25	<25
Chloroform	70	<1.0	<1.0	**38.9 J**	**47.9 J**	<1.0	<1.0	<1.0	<1.0
Methyl Chloride	2.6	<2.0	<2.0	<200	<200	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<5.0	<5.0	**216 J**	<500	**0.64 J**	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<5.0	<500	<500	<5.0	<5.0	<5.0	<5.0
Styrene	100	<1.0	<1.0	<100	<100	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<1.0	<1.0	<100	<100	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	**124**	<1.0	<100	<100	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	0.51	**0.50 J**	<1.0	<100	<100	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	**4.6**	<100	<100	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone	NS	<5.0	<5.0	<500	<500	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<1.0	<100	<100	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<1.0	<100	<100	<1.0	<1.0	<1.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

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Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event August 2007
Detected VOCs

Sampling Event:		2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	2007-A	
Well ID:		IR78-GW17-02	USTHPFFC-MW71	IR78-GW32-03	IR78-GW32-02	USTHPFFC-MW61	USTHPFFC-MW12	USTHPFFC-MW59	
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep	Deep	
Laboratory Sample ID:		F51931-8	F51931-11	F51956-1	F51956-2	F51956-8	F51956-6	F52091-2	
Date Sampled:		8/16/07	8/16/07	8/18/07	8/18/07	8/20/07	8/20/07	8/23/07	
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	
VOA EPA 8260B									
Benzene	1	**9.8**	<1.0	**74.6**	**915**	<1.0	**47**	<1.0	
Ethylbenzene	550	<1.0	<1.0	**54**	**705**	<1.0	**1.1**	<2.0	
Toluene	1000	<1.0	<1.0	**321**	**2930**	<1.0	**0.53 J**	<1.0	
Xylenes (total)	530	<3.0	<3.0	**679**	**3200**	<3.0	<3.0	<3.0	
Total BTEX		**9.8**	**0**	**1128.6**	**7750**	**0**	**48.63**	**0**	
VOA EPA 8260B									
Acetone	700	<25	<25	<130	<1300	<25	<25	<25	
Chloroform	70	<1.0	<1.0	<5.0	<50	<1.0	<1.0	<1.0	
Methyl Chloride	2.6	**1.8 J**	<2.0	<10	<100	<2.0	<2.0	<2.0	
Methylene Chloride	4.6	<5.0	<5.0	<25	<250	<5.0	<5.0	<5.0	
Methyl ethyl ketone	4200	<5.0	<5.0	**12.6 J**	<250	<5.0	**505**	<5.0	
Styrene	100	<1.0	<1.0	<5.0	<50	<1.0	<1.0	<1.0	
1,1-Dichloroethylene	7.0	**1.1**	<1.0	<5.0	<50	<1.0	<1.0	<1.0	
1,2-Dichloroethane	0.38	**7.7**	<1.0	<5.0	<50	<1.0	<1.0	<1.0	
1,2-Dichloropropane	0.51	**0.52 J**	<1.0	<5.0	<50	<1.0	<1.0	<1.0	
cis-1,2-Dichloroethylene	70	**0.85 J**	**1.8**	<5.0	<50	<1.0	<1.0	<1.0	
4-Methyl-2-pentanone	NS	<5.0	<5.0	<25	<250	<5.0	<5.0	<5.0	
Tetrachloroethylene	0.7	**1.0**	<1.0	<5.0	<50	<1.0	<1.0	<1.0	
Trichloroethylene	2.8	**1.6**	<1.0	<5.0	<50	<1.0	<1.0	<1.0	
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

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Samples analyzed by Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Table 4.10 Analytical Data Summary

SE Sampling Event **Feb 2008 SE Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFF-MW01	USTHPFF-MW06	USTHPFF-MW09	USTHPFF-MW10R	USTHPFF-MW11	USTHPFF-MW15	USTHPFF-MW17	USTHPFF-MW18
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		2/28/08	2/27/08	2/27/08	2/28/08	2/28/08	3/3/08	2/28/08	3/3/08
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	10.68	10.36	NM	14.18	NM	9.64	12.75	13.98
pH	-	5.97	5.74	NM	6.39	NM	6.20	6.18	NM
Conductivity	mS/m	2.656	2.191	NM	4.987	NM	0.397	2.935	NM
Turbidity	NTU	0	529.8	NM	691.4	NM	12.9	53	NM
Dissolved Oxygen	mg/L	1.57	6.19	NM	4.96	NM	0.22	2.20	NM
Temperature	°C	22.83	24.31	NM	NM	NM	24.91	22.81	NM
Oxidation-Reduction Potential	mV	-116.9	-96.7	NM	-112.4	NM	-154.2	-80.1	NM

Table 4.10 Analytical Data Summary

SE Sampling Event **Feb 2008 SE Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFF-MW19	USTHPFFC-MW01	USTHPFFC-MW02	USTHPFFC-MW03	USTHPFFC-MW05	USTHPFFC-MW15	USTHPFFC-MW19	USTHPFFC-MW20
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		2/28/08	2/28/08	2/28/08	2/28/08	2/27/08	3/3/08	2/27/08	2/28/08
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	NM	NM	NM	NM	8.53	8.44	6.86	9.64
pH	-	NM	NM	NM	NM	6.01	NM	6.17	6.53
Conductivity	mS/m	NM	NM	NM	NM	2.181	NM	3.669	1.789
Turbidity	NTU	NM	NM	NM	NM	73.9	NM	64	16
Dissolved Oxygen	mg/L	NM	NM	NM	NM	1.21	NM	5.10	0.79
Temperature	°C	NM	NM	NM	NM	28.13	NM	24.47	25.80
Oxidation-Reduction Potential	mV	NM	NM	NM	NM	-35.0	NM	-148.9	-156.4

Table 4.10 Analytical Data Summary

SE Sampling Event **Feb 2008 SE Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFFC-MW31	USTHPFFC-MW38	USTHPFFC-MW72	UST1101-MW01	USTHPFFC-MW06	USTHPFFC-MW07	USTHPFFC-MW08	USTHPFFC-MW09
Well Depth:		Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Intermediate
Date Sampled:		2/28/08	2/28/08	3/3/08	2/28/08	2/28/08	2/26/08	2/28/08	2/27/08
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	NM	NM	18.52	NM	12.83	11.61	17.77	10.28
pH	-	NM	NM	NM	NM	5.36	6.18	6.95	6.08
Conductivity	mS/m	NM	NM	NM	NM	1.951	6.593	2.639	5.127
Turbidity	NTU	NM	NM	NM	NM	0.0	0	0	29.1
Dissolved Oxygen	mg/L	NM	NM	NM	NM	1.57	1.47	1.64	2.08
Temperature	°C	NM	NM	NM	NM	24.08	21.89	26.27	24.55
Oxidation-Reduction Potential	mV	NM	NM	NM	NM	50.8	73.8	-194.0	-138.7

Table 4.10 Analytical Data Summary

SE Sampling Event **Feb 2008 SE Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFFC-MW60	USTHPFFC-MW63	USTHPFFC-MW66	USTHPFFC-MW70	USTHPFFC-MW77	USTHPFFC-MW10	USTHPFFC-MW11	USTHPFFC-MW12
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep
Date Sampled:		2/27/08	2/27/08	3/3/08	2/27/08	2/27/08	2/28/08	2/28/08	2/27/08
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters									
Depth to Water	feet	10.52	NM	10.41	NM	NM	15.99	NM	11.36
pH	-	6.88	NM	NM	NM	NM	7.68	NM	6.49
Conductivity	mS/m	2.390	NM	NM	NM	NM	3.655	NM	1.774
Turbidity	NTU	0	NM	NM	NM	NM	0.0	NM	0.0
Dissolved Oxygen	mg/L	1.68	NM	NM	NM	NM	2.2	NM	2.22
Temperature	°C	21.69	NM	NM	NM	NM	24.01	NM	22.17
Oxidation-Reduction Potential	mV	-81.9	NM	NM	NM	NM	-21.8	NM	-12.6

Table 4.10 Analytical Data Summary

SE Sampling Event **Feb 2008 SE Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFFC-MW59	USTHPFFC-MW60	USTHPFFC-MW71	IR78-GW17-02	IR78-GW31-02	IR78-GW32-02	IR78-GW32-03
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep	Deep
Date Sampled:		2/27/08	2/27/08	2/27/08	2/27/08	2/27/08	3/3/08	3/3/08
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Field Parameters								
Depth to Water	feet	NM	NM	NM	16.22	NM	11.23	11.06
pH	-	NM	NM	NM	6.72	NM	7.53	7.09
Conductivity	mS/m	NM	NM	NM	0.371	NM	3.178	5.397
Turbidity	NTU	NM	NM	NM	0.0	NM	0	0
Dissolved Oxygen	mg/L	NM	NM	NM	0.29	NM	6.63	7.59
Temperature	°C	NM	NM	NM	22.19	NM	22.23	22.38
Oxidation-Reduction Potential	mV	NM	NM	NM	-42.7	NM	-57.1	-52.1

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Table 4.11
Analytical Data Summary
SE Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A
Well ID:		USTHPFFC-MW20	USTHPFFC-MW03	USTHPFF-MW19	USTHPFFC-MW38	USTHPFF-MW18	USTHPFF-MW01	USTHPFFC-MW31	USTHPFF-MW17A
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F55952-12	NS	NS	NS	NS	F55952-17	NS	F55952-16
Date Sampled:		2/28/08	NS	NS	NS	NS	2/28/08	NS	2/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	**3210**	NS	NS	NS	**FP**	**3910**	NS	**6480**
Ethylbenzene	550	**1040**	NS	NS	NS	**FP**	**2860**	NS	**2720**
Toluene	1000	**7360**	NS	NS	NS	**FP**	**19500**	NS	**25200**
Xylenes (total)	530	**2260**	NS	NS	NS	**FP**	**13200**	NS	**9420**
Total BTEX		**13870**	NS	NS	NS	**FP**	**39470**	NS	**43820**
VOA EPA 8260B									
Acetone	700	<2500	NS	NS	NS	**FP**	<6300	NS	<500
Chloroform	70	<100	NS	NS	NS	**FP**	<250	NS	<500
Methyl Chloride	2.6	<200	NS	NS	NS	**FP**	<500	NS	<1000
Methylene Chloride	4.6	**136 J**	NS	NS	NS	**FP**	**329 J**	NS	**668 J**
Methyl ethyl ketone	4200	<500	NS	NS	NS	**FP**	<1300	NS	<2500
Styrene	100	<100	NS	NS	NS	**FP**	<250	NS	<500
1,1-Dichloroethylene	7.0	<100	NS	NS	NS	**FP**	<250	NS	<500
1,2-Dichloroethane	0.38	**25.1 J**	NS	NS	NS	**FP**	<250	NS	<500
1,2-Dichloropropane	0.51	<100	NS	NS	NS	**FP**	<250	NS	<500
cis-1,2-Dichloroethylene	70	<100	NS	NS	NS	**FP**	<250	NS	<500
4-Methyl-2-pentanone	NS	<500	NS	NS	NS	**FP**	<1300	NS	<2500
Tetrachloroethylene	0.7	<100	NS	NS	NS	**FP**	<250	NS	<500
Trichloroethylene	2.8	<100	NS	NS	NS	**FP**	<250	NS	<500
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

Printed: 4/28/2008
Samples analyzed by Accutest

Table 4.11
Analytical Data Summary
SE Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A
Well ID:		USTHPFFC-MW15	USTHPFFC-MW05	UST1101-MW01	USTHPFF-MW11	USTHPFF-MW09	USTHPFFC-MW72	USTHPFF-MW15	USTHPFFC-MW19
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		NS	F55952-11	NS	NS	NS	NS	F56005-1	F55952-8
Date Sampled:		NS	2/28/08	NS	NS	NS	NS	3/3/08	2/27/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	FP	3.9	NS	NS	NS	FP	422	3760
Ethylbenzene	550	FP	2.3	NS	NS	NS	FP	2280	447
Toluene	1000	FP	4.5	NS	NS	NS	FP	5770	2330
Xylenes (total)	530	FP	12.4	NS	NS	NS	FP	13300	2040
Total BTEX		FP	23.1	NS	NS	NS	FP	21772	8577
VOA EPA 8260B									
Acetone	700	FP	<25	NS	NS	NS	FP	<2500	<1300
Chloroform	70	FP	<1.0	NS	NS	NS	FP	<100	<50
Methyl Chloride	2.6	FP	<2.0	NS	NS	NS	FP	<200	<100
Methylene Chloride	4.6	FP	<5.0	NS	NS	NS	FP	259 J	80.1 JB
Methyl ethyl ketone	4200	FP	<5.0	NS	NS	NS	FP	<500	<250
Styrene	100	FP	<1.0	NS	NS	NS	FP	<100	<50
1,1-Dichloroethylene	7.0	FP	<1.0	NS	NS	NS	FP	<100	<50
1,2-Dichloroethane	0.38	FP	<1.0	NS	NS	NS	FP	<100	<50
1,2-Dichloropropane	0.51	FP	<1.0	NS	NS	NS	FP	<100	<50
cis-1,2-Dichloroethylene	70	FP	<1.0	NS	NS	NS	FP	<100	<50
4-Methyl-2-pentanone	NS	FP	<5.0	NS	NS	NS	FP	<500	<250
Tetrachloroethylene	0.7	FP	<1.0	NS	NS	NS	FP	<100	<50
Trichloroethylene	2.8	FP	<1.0	NS	NS	NS	FP	<100	<50
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

Printed: 4/3/2008
Samples analyzed by Accutest

Table 4.11
Analytical Data Summary
SE Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A
Well ID:		USTHPFFC-MW02	USTHPFF-MW06	USTHPFF-MW10R	USTHPFFC-MW01	USTHPFFC-MW06	USTHPFFC-MW08	USTHPFFC-MW77	USTHPFFC-MW63
Well Depth:		Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory Sample ID:		NS	F55952-9	F55952-14	NS	F55952-13	F55952-15	NS	NS
Date Sampled:		NS	2/27/08	2/28/08	NS	2/28/08	2/28/08	NS	NS
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	NS	**92.0**	**720**	NS	**14.1**	**2760**	NS	NS
Ethylbenzene	550	NS	**24.8**	**494**	NS	**16.8**	**163**	NS	NS
Toluene	1000	NS	**44.9**	**1420**	NS	**64.9**	**134**	NS	NS
Xylenes (total)	530	NS	**91.8**	**2520**	NS	**36.1**	**455**	NS	NS
Total BTEX		NS	**253.5**	**5154**	NS	**131.9**	**3512**	NS	NS
VOA EPA 8260B									
Acetone	700	NS	<25	<500	NS	<25	<250	NS	NS
Chloroform	70	NS	<1.0	<20	NS	<1.0	<50	NS	NS
Methyl Chloride	2.6	NS	<2.0	<40	NS	<2.0	<20	NS	NS
Methylene Chloride	4.6	NS	<5.0	**60.3 J**	NS	<5.0	**73.2 J**	NS	NS
Methyl ethyl ketone	4200	NS	**38.1**	**91.9 J**	NS	<5.0	<50	NS	NS
Styrene	100	NS	<1.0	<20	NS	<1.0	<10	NS	NS
1,1-Dichloroethylene	7.0	NS	<1.0	<20	NS	<1.0	<10	NS	NS
1,2-Dichloroethane	0.38	NS	**0.23 J**	**6.6 J**	NS	<1.0	**26.3 J**	NS	NS
1,2-Dichloropropane	0.51	NS	<1.0	<20	NS	<1.0	<10	NS	NS
cis-1,2-Dichloroethylene	70	NS	<1.0	<20	NS	<1.0	<10	NS	NS
4-Methyl-2-pentanone	NS	NS	<5.0	<100	NS	<5.0	<250	NS	NS
Tetrachloroethylene	0.7	NS	<1.0	<20	NS	<1.0	<10	NS	NS
Trichloroethylene	2.8	NS	<1.0	<20	NS	<1.0	<10	NS	NS
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

Printed: 4/3/2008
Samples analyzed by Accutest

Table 4.11
Analytical Data Summary
SE Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A
Well ID:		USTHPFFC-MW09	USTHPFFC-MW70	USTHPFFC-MW66	USTHPFFC-MW60	USTHPFFC-MW07	IR78-GW31-02	USTHPFFC-MW11	USTHPFFC-MW10
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep
Laboratory Sample ID:		F55952-6	NS	NS	F55952-5	F55903-16	NS	NS	F55952-18
Date Sampled:		2/27/08	NS	NS	2/27/08	2/26/08	NS	NS	2/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 8260B									
Benzene	1	**15.9**	NS	**FP**	**8650**	**11.3**	NS	NS	<1.0
Ethylbenzene	550	**1.1**	NS	**FP**	**234.0**	**2.6**	NS	NS	<1.0
Toluene	1000	<1.0	NS	**FP**	**53.0 J**	**19.3**	NS	NS	<1.0
Xylenes (total)	530	<3.0	NS	**FP**	**64.2 J**	**7.7**	NS	NS	<3.0
Total BTEX		**17**	NS	**FP**	**8884**	**40.9**	NS	NS	**0**
VOA EPA 8260B									
Acetone	700	<25	NS	**FP**	<2500	<25	NS	NS	<25
Chloroform	70	<1.0	NS	**FP**	<100	<1.0	NS	NS	<1.0
Methyl Chloride	2.6	<2.0	NS	**FP**	<200	<2.0	NS	NS	<2.0
Methylene Chloride	4.6	<5.0	NS	**FP**	**125 JB**	<5.0	NS	NS	<5.0
Methyl ethyl ketone	4200	<5.0	NS	**FP**	<500	<5.0	NS	NS	<5.0
Styrene	100	<1.0	NS	**FP**	<100	<1.0	NS	NS	<1.0
1,1-Dichloroethylene	7.0	<1.0	NS	**FP**	<100	<1.0	NS	NS	<1.0
1,2-Dichloroethane	0.38	<1.0	NS	**FP**	<100	**0.40 J**	NS	NS	<1.0
1,2-Dichloropropane	0.51	<1.0	NS	**FP**	<100	<1.0	NS	NS	<1.0
cis-1,2-Dichloroethylene	70	<1.0	NS	**FP**	<100	<1.0	NS	NS	<1.0
4-Methyl-2-pentanone	NS	<5.0	NS	**FP**	<500	<5.0	NS	NS	<5.0
Tetrachloroethylene	0.7	<1.0	NS	**FP**	<100	<1.0	NS	NS	<1.0
Trichloroethylene	2.8	<1.0	NS	**FP**	<100	<1.0	NS	NS	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS)							

J= estimated

Printed: 4/3/2008
Samples analyzed by Accutest

Table 4.11
Analytical Data Summary
SE Sampling Event February 2008
Detected VOCs

Sampling Event:		2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	2008-A	
Well ID:		IR78-GW17-02	USTHPFFC-MW71	IR78-GW32-03	IR78-GW32-02	USTHPFFC-MW61	USTHPFFC-MW12	USTHPFFC-MW59	
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep	Deep	
Laboratory Sample ID:		F55952-10	NS	F56005-3	F56005-2	NS	F55952-4	NS	
Date Sampled:		2/27/08	NS	3/3/08	3/3/08	NS	2/27/08	NS	
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	
VOA EPA 8260B									
Benzene	1	**9.4**	NS	**0.53 J**	**33.7**	NS	**63.6**	NS	
Ethylbenzene	550	**1.8**	NS	**0.69 J**	**12.7**	NS	**0.89 J**	NS	
Toluene	1000	**5.8**	NS	**3.4**	**96.3**	NS	**2.3**	NS	
Xylenes (total)	530	**10**	NS	**3.9**	**68.9**	NS	**0.92 J**	NS	
Total BTEX		**27**	NS	**7.3**	**211.6**	NS	**65.9**	NS	
VOA EPA 8260B									
Acetone	700	<25	NS	<25	**18.8 J**	NS	**112**	NS	
Chloroform	70	<1.0	NS	<1.0	<2.0	NS	<1.0	NS	
Methyl Chloride	2.6	<2.0	NS	<2.0	<2.0	NS	<2.0	NS	
Methylene Chloride	4.6	<5.0	NS	**0.78 J**	<5.0	NS	<5.0	NS	
Methyl ethyl ketone	4200	<5.0	NS	<5.0	**10.0**	NS	**253**	NS	
Styrene	100	<1.0	NS	<1.0	<1.0	NS	<1.0	NS	
1,1-Dichloroethylene	7.0	<1.0	NS	<1.0	<1.0	NS	<1.0	NS	
1,2-Dichloroethane	0.38	**1.9**	NS	<1.0	<1.0	NS	<1.0	NS	
1,2-Dichloropropane	0.51	<1.0	NS	<1.0	<1.0	NS	<1.0	NS	
cis-1,2-Dichloroethylene	70	<1.0	NS	<1.0	<1.0	NS	**1.8**	NS	
4-Methyl-2-pentanone	NS	<5.0	NS	<5.0	<5.0	NS	<5.0	NS	
Tetrachloroethylene	0.7	<1.0	NS	<1.0	<1.0	NS	<1.0	NS	
Trichloroethylene	2.8	**0.39 J**	NS	<1.0	<1.0	NS	<1.0	NS	
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated

Printed: 4/3/2008
Samples analyzed by Accutest

Table 6.1
Hadnot Point Fuel Farm, Northwest Compound
Groundwater Sample Collection and Analysis Table for 2008-2009

Analysis	Type II Shallow Monitoring Wells							
	UST1115GT-MW01	UST1115GT-MW07	UST1115GT-MW09	UST1115-MW01	UST1115-MW02	UST1115-MW04	UST1115-MW07	UST1115-MW09
Field Screening								
Temperature	X	X	X	X	X	X	X	X
Conductivity	X	X	X	X	X	X	X	X
Turbidity	X	X	X	X	X	X	X	X
pH	X	X	X	X	X	X	X	X
Dissolved Oxygen	X	X	X	X	X	X	X	X
ORP	X	X	X	X	X	X	X	X
VOAs Method 8260	X	X	X	X	X	X	X	X

Analysis	Type II Shallow Monitoring Wells							
	USTHPFF-MW12	USTHPFF-MW20	USTHPFFC-MW36	USTHPFFC-MW39	USTHPFFC-MW48	USTHPFFC-MW51	USTHPFFC-MW54	
Field Screening								
Temperature	X	X	X	X	X	X	X	
Conductivity	X	X	X	X	X	X	X	
Turbidity	X	X	X	X	X	X	X	
pH	X	X	X	X	X	X	X	
Dissolved Oxygen	X	X	X	X	X	X	X	
ORP	X	X	X	X	X	X	X	
VOAs Method 8260	X	X	X	X	X	X	X	

Analysis	Type III Intermediate Monitoring Wells							
	UST1115-MW13	UST1115-MW14	UST1115-MW15	UST1115-MW17	UST1115-MW18	UST1115-MW20	UST1115-MW21	USTHPFFC-MW44
Field Screening								
Temperature	X	X	X	X	X	X	X	X
Conductivity	X	X	X	X	X	X	X	X
Turbidity	X	X	X	X	X	X	X	X
pH	X	X	X	X	X	X	X	X
Dissolved Oxygen	X	X	X	X	X	X	X	X
ORP	X	X	X	X	X	X	X	X
VOAs Method 8260	X	X	X	X	X	X	X	X

Table 6.1
Hadnot Point Fuel Farm, Northwest Compound
Groundwater Sample Collection and Analysis Table for 2008-2009

Analysis	Type III Intermediate Monitoring Wells							
	USTHPFFC-MW47	USTHPFFC-MW50	USTHPFFC-MW53	USTHPFFC-MW73	USTHPFFC-MW76			
Field Screening								
Temperature	X	X	X	X	X			
Conductivity	X	X	X	X	X			
Turbidity	X	X	X	X	X			
pH	X	X	X	X	X			
Dissolved Oxygen	X	X	X	X	X			
ORP	X	X	X	X	X			
VOAs Method 8260	X	X	X	X	X			

Analysis	Type III Deep Monitoring Wells							
	UST1115-MW22	UST1115-MW23	UST1115-MW24	UST1115-MW25	USTHPFFC-MW13	USTHPFFC-MW43		
Field Screening								
Temperature	X	X	X	X	X	X		
Conductivity	X	X	X	X	X	X		
Turbidity	X	X	X	X	X	X		
pH	X	X	X	X	X	X		
Dissolved Oxygen	X	X	X	X	X	X		
ORP	X	X	X	X	X	X		
VOAs Method 8260	X	X	X	X	X	X		

Analysis	Type III Deep Monitoring Wells							
	USTHPFFC-MW55	USTHPFFC-MW56	USTHPFFC-MW74					
Field Screening								
Temperature	X	X	X					
Conductivity	X	X	X					
Turbidity	X	X	X					
pH	X	X	X					
Dissolved Oxygen	X	X	X					
ORP	X	X	X					
VOAs Method 8260	X	X	X					

Table 6.2
Hadnot Point Fuel Farm, Southeast Compound
Groundwater Sample Collection and Analysis Table for 2008-2009

Analysis	Type II Shallow Monitoring Wells								
	USTHPFF-MW01	USTHPFF-MW06	USTHPFF-MW09	USTHPFF-MW10R	USTHPFF-MW11	USTHPFF-MW15	USTHPFF-MW17A	USTHPFF-MW18	USTHPFF-MW19
Field Screening									
Temperature	X	X	X	X	X	X	X	X	X
Conductivity	X	X	X	X	X	X	X	X	X
Turbidity	X	X	X	X	X	X	X	X	X
pH	X	X	X	X	X	X	X	X	X
Dissolved Oxygen	X	X	X	X	X	X	X	X	X
ORP	X	X	X	X	X	X	X	X	X
VOAs Method 8260	X	X	X	X	X	X	X	X	X

Analysis	Type II Shallow Monitoring Wells								
	USTHPFFC-MW01	USTHPFFC-MW02	USTHPFFC-MW03	USTHPFFC-MW05	USTHPFFC-MW12	USTHPFFC-MW15	USTHPFFC-MW19	USTHPFFC-MW20	USTHPFFC-MW31
Field Screening									
Temperature	X	X	X	X	X	X	X	X	X
Conductivity	X	X	X	X	X	X	X	X	X
Turbidity	X	X	X	X	X	X	X	X	X
pH	X	X	X	X	X	X	X	X	X
Dissolved Oxygen	X	X	X	X	X	X	X	X	X
ORP	X	X	X	X	X	X	X	X	X
VOAs Method 8260	X	X	X	X	X	X	X	X	X

Analysis	Type II Shallow Monitoring Wells								
	USTHPFFC-MW38	USTHPFFC-MW72	UST1101-MW01						
Field Screening									
Temperature	X	X	X						
Conductivity	X	X	X						
Turbidity	X	X	X						
pH	X	X	X						
Dissolved Oxygen	X	X	X						
ORP	X	X	X						
VOAs Method 8260	X	X	X						

Table 6.2
Hadnot Point Fuel Farm, Southeast Compound
Groundwater Sample Collection and Analysis Table for 2008-2009

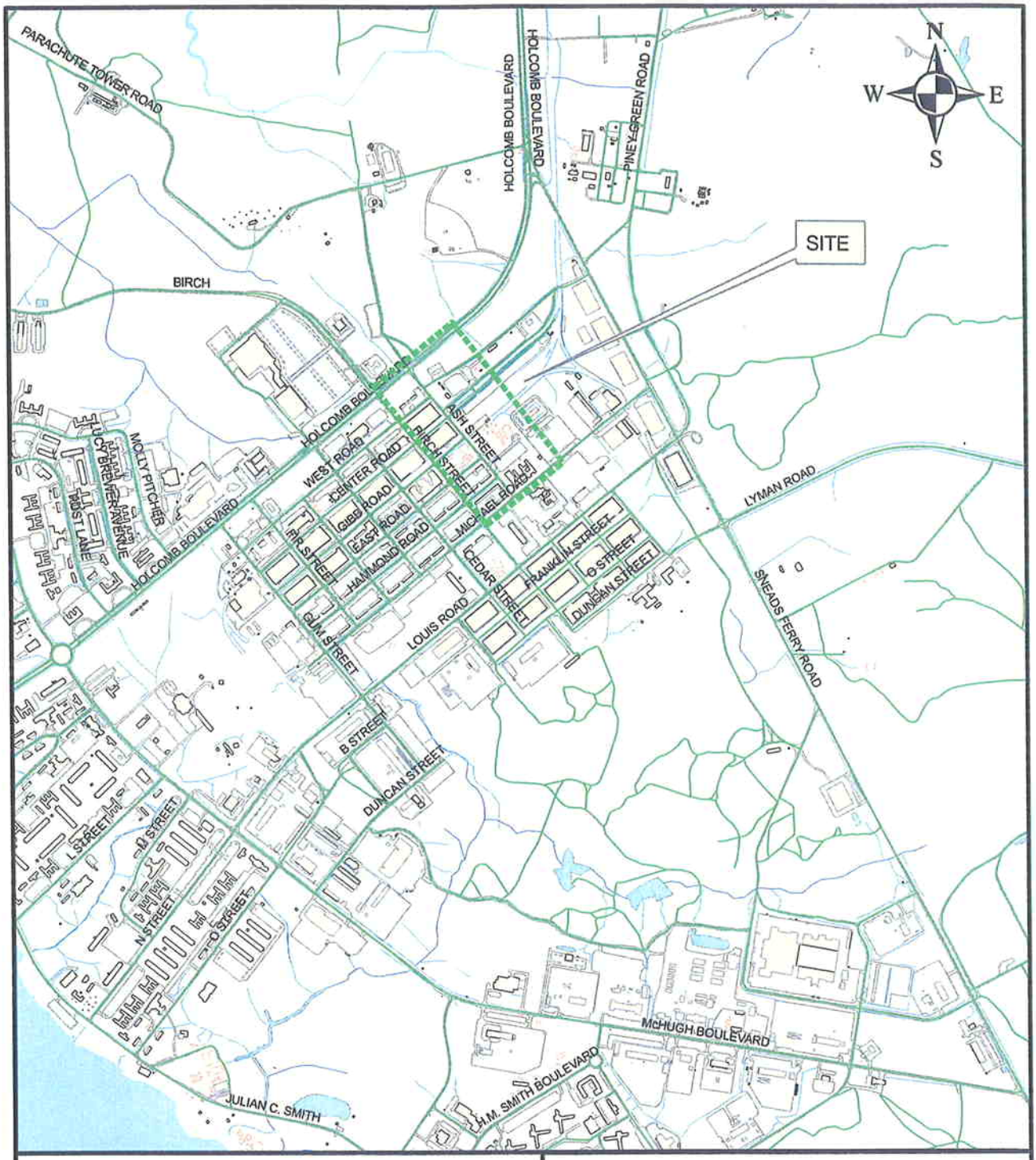
Analysis	Type III Intermediate Wells								
	USTHPFFC-MW06	USTHPFFC-MW07	USTHPFFC-MW08	USTHPFFC-MW09	USTHPFFC-MW60	USTHPFFC-MW63	USTHPFFC-MW66	USTHPFFC-MW70	USTHPFFC-MW77
Field Screening									
Temperature	X	X	X	X	X	X	X	X	X
Conductivity	X	X	X	X	X	X	X	X	X
Turbidity	X	X	X	X	X	X	X	X	X
pH	X	X	X	X	X	X	X	X	X
Dissolved Oxygen	X	X	X	X	X	X	X	X	X
ORP	X	X	X	X	X	X	X	X	X
VOAs Method 8260	X	X	X	X	X	X	X	X	X

Analysis	Type III Deep Wells								
	USTHPFFC-MW10	USTHPFFC-MW11	USTHPFFC-MW59	USTHPFFC-MW61	USTHPFFC-MW71	IR78GW17-02	IR78GW31-02		
Field Screening									
Temperature	X	X	X	X	X	X	X		
Conductivity	X	X	X	X	X	X	X		
Turbidity	X	X	X	X	X	X	X		
pH	X	X	X	X	X	X	X		
Dissolved Oxygen	X	X	X	X	X	X	X		
ORP	X	X	X	X	X	X	X		
VOAs Method 8260	X	X	X	X	X	X	X		

FIGURES

Shaw™ Shaw Environmental, Inc.

FIGURE 1.1
VICINITY MAP
HADNOT POINT FUEL FARM
CAMP LEUJEUNE, NC



0 625 1,250 2,500 3,750 5,000 Feet

Shaw™ Shaw Environmental, Inc.

FIGURE 1.2
SITE LOCATION MAP
HADNOT POINT FUEL FARM
CAMP LEJEUNE, NORTH CAROLINA

ESTIMATED PLUME BOUNDARY AT 50 FEET BLS

ESTIMATED PLUME BOUNDARY AT GREATER THAN 100 FEET BLS

ESTIMATED PLUME BOUNDARY AT 70 TO 90 FEET BLS

ESTIMATED PLUME BOUNDARY AT SHALLOW ZONE

RADIUS AT SURFACE

RADIUS AT 50 FEET BLS

BP-1
BP-2
BP-3
BP-4
BP-5
BP-6
BP-7
BP-8
BP-9
BP-10
BP-11
BP-12
BP-13
BP-14
BP-15
BP-16
BP-17
BP-18
BP-19
BP-20
BP-21
BP-22
BP-23
BP-24

GT-7
GT-8
MW-26
78CV22-2
1115-18

SECTOR

N

100 50 0' 100 200
SCALE IN FEET

LEGEND

EXISTING	DESCRIPTION
	BUILDING
	RAILROAD TRACKS
	CHAIN LINK FENCE
	TYPE I WELL
	TYPE II WELL
	TYPE III WELL (50' DEEP)
	TYPE III WELL (70'-90' DEEP)
	TYPE III WELL (GREATER THAN 100' DEEP)
	PUMPING WELL
	INITIAL BIO-PULSE SPARGE WELL LOCATIONS

REFERENCE:
BASE MAP INFORMATION WAS OBTAINED FROM DRAWING BY CATLIN ENGINEERS AND SCIENTISTS TITLED: PROPOSED REMEDIATION SYSTEM LAYOUT FIGURE 34 AND DATED JUNE 2003.

REVISIONS

REV	DATE	BY	CHK'D	APRV'D	DESCRIPTION/ISSUE

Shaw
Shaw Environmental, Inc.

DESIGNED BY	RBK
DRAWN BY	JEL
CHECKED BY	RBK
APPROVED BY	

PROJECT NO. 115258

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA

FIGURE 2.1
HPFF BIO-PULSE SPARGE WELL LOCATION MAP

SCALE:	SIZE:
AS SHOWN	D

DELIVERY ORDER NO.

CONSTR. CONTRACT NO.
N62470-02-D-3260

NAVFAC DRAWING NO.

SHEET I.D.
2.1

Xref : SCANNING_20030516_103353_00001a.tif
Image : SCANNING_20030516_103505_00001.tif

Plot Date/Time: Apr 16, 2008 - 1:05pm
Plotted By: john.lange

GRID NORTH-NAD 83

NW COMPOUND

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-6 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11 NBS-12

1115-4 1115-17 1115-22 1115-9 1115-02 1115-21 1115-24 1115-14 1115-11 1115-10 1115-25 1115-13 1115-15 1115-12 1115-1 1115-5 1115-18 1115-23

HPFF-13 HPFF-14 HPFF-27 78GW19 78GW22-2 MW-20

N-1 N-2 N-4 N-5 N-6 N-7 N-8 N-9

GT-1 GT-2 GT-3 GT-5 GT-6 GT-7 GT-9 GT-10

HP-1 HP-2 HP-5 HP-6 HP-7 HP-8 HP-9 HP-10

DPT-1 DPT-5 DPT-6 DPT-7 DPT-8 DPT-9 DPT-11 DPT-22 DPT-29

BIRCH STREET
CONCRETE SIDEWALK
ASH STREET
GATE
WEST ROAD
PAVED DRIVE
EDGE OF PAVEMENT
STEAM DUCT
CONC. COVER OVER STORM DRAIN
APPROXIMATE LOCATION OF STORM DRAIN FROM OLD DRAWINGS-(NO CATCH BASINS FOUND IN THE FIELD)

1108 1100 1115 1111

CONC. PAD 1111
CONCRETE APRON
PORCH
CONCRETE PAD
PAVED PARKING LOT
PARKING LOT
LOADING DOCK
CONC. PAD
CONC. CURB
CONCRETE SIDEWALK
CONC. RAMP
TRENCH GUTTER
LOADING DOCK MATCHLINE JOINS SHEET
CONC. RAMP MATCHLINE JOINS SHEET
GRAVEL ROAD
RAILROAD TRACKS
GRASS
HEATING BLDG.
STEAM PIT
STEAM PIT
STEAM PIT
CONC. HEADWALL
MH WATER

LEGEND

EXISTING	NEW	DESCRIPTION
		BUILDING
S		STEAM LINE
SS—MH		SANITARY SEWER WITH MANHOLE
SD—MH		STORM DRAIN
W		WATERLINE W/VALVE
PP—P		POWER LINE W/POLE
UP—MH		UNDERGROUND POWER WITH MANHOLE
COM—MH		COMMUNICATIONS LINE WITH MANHOLE
F		FUEL LINE
ENV		ENVIRONMENTAL–EXISTING GROUND WATER TREATMENT SYSTEM LINES
	FM	FORCE MAIN
T		TELEPHONE RISER
FH		FIRE HYDRANT
MH		MANHOLE
MH		STEAM MANHOLE
		AREA LIGHT
CB		CATCH BASIN
CO		CLEAN OUT
		CHAIN LINK FENCE
GA		GUY ANCHOR
		SIGNS
		TYPE II WELL
		TYPE III WELL (50' DEEP)
		TYPE III WELL (70'–90' DEEP)
		TYPE III WELL (GREATER THAN 90' DEEP)
		HYDROPUNCH
		SOIL BORING
		PUMPING WELL
		DPT PROBE
		AIR SPARGE SVE VAULT
		BIOSPARGE VAULT (100' WELL)
		BIOSPARGE VAULT (80' WELL)
		BIOSPARGE WELL LABEL (NORTH BIOSPARGE WELL NUMBER 11)
		AIR SPARGE / SVE WELL LABEL (NORTH NUMBER 1)
		AIR SPARGE LINE
		VAPOR LINE
		BIOSPARGE LINE
		HORIZONTAL VAPOR COLLECTION LINE

0 40 80
SCALE IN FEET

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SUBMITTED: _____ PROJECT MANAGER: DATE: _____
APPROVED: _____ SR. PROJECT ENGINEER DATE: _____
APPROVED: _____ DEPT. MANAGER DATE: _____

AT FULL SCALE (IF NOT 1"–SCALE ACCORDINGLY)
CADD FILE: _____
DRAWN: L. SHULMAN
DESIGNED: BOB BROWN
CHECKED: RON KENYON
CHECKED: JIM DUNN

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

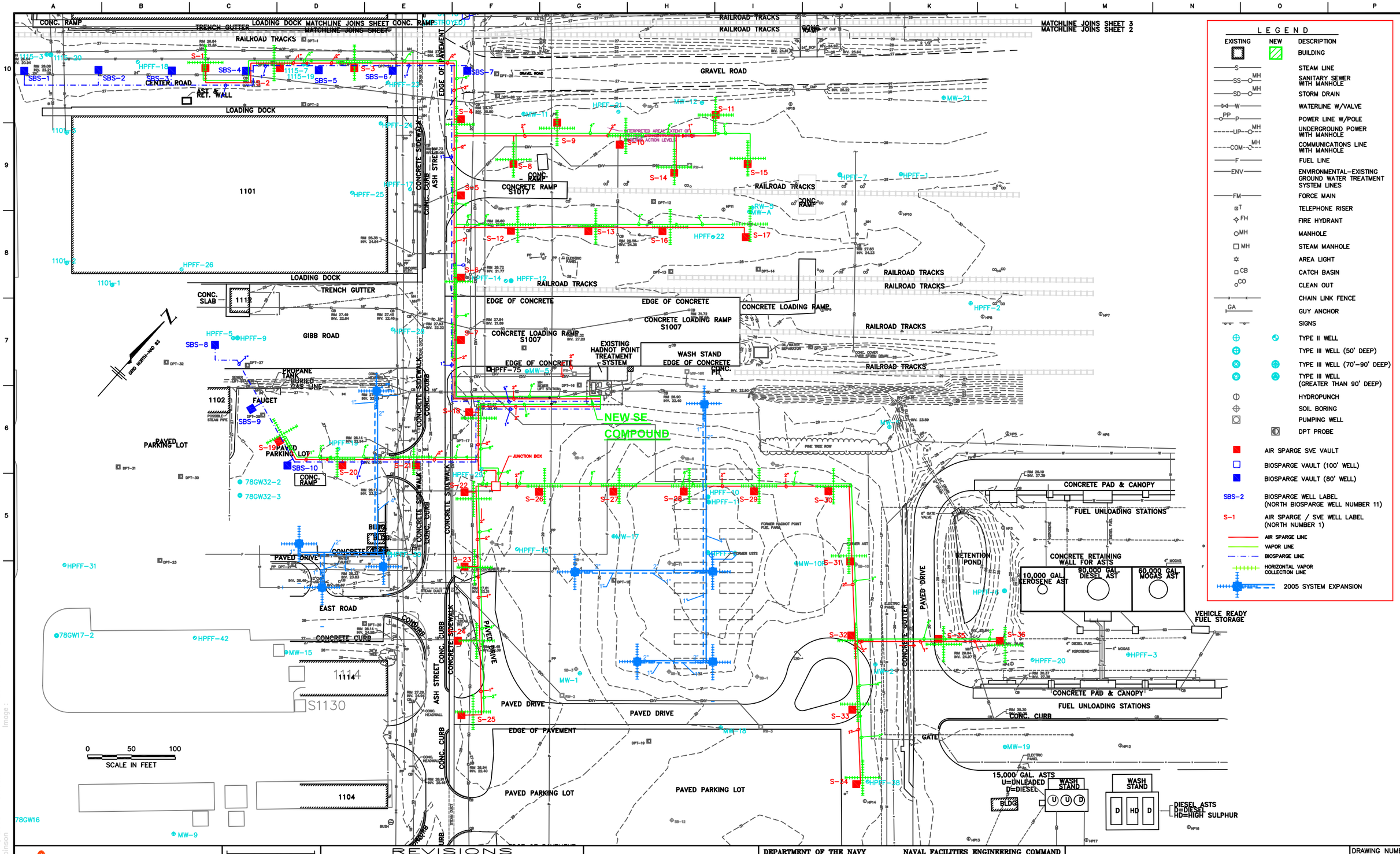
CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 3.1
EXISTING AS/SVE REMEDIAL SYSTEM
NW COMPOUND
HADNOT POINT FUEL FARM

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 4/28/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\EXIST_AS_SVE_SYSTEM_NE_2008.dwg
Plot Date/Time: May 14, 2008 - 8:41am
Plotted By: teresa.robinson
Xref : 20005-20764BAS
Image :



LEGEND

EXISTING	NEW	DESCRIPTION
▭	▨	BUILDING
—S—		STEAM LINE
—SS—○MH		SANITARY SEWER WITH MANHOLE
—SD—○MH		STORM DRAIN
—W—		WATERLINE W/VALVE
PP —P—		POWER LINE W/POLE
—UP—○MH		UNDERGROUND POWER WITH MANHOLE
—COM—○MH		COMMUNICATIONS LINE WITH MANHOLE
—F—		FUEL LINE
—ENV—		ENVIRONMENTAL–EXISTING GROUND WATER TREATMENT SYSTEM LINES
—FM—		FORCE MAIN
⊡T		TELEPHONE RISER
◇FH		FIRE HYDRANT
○MH		MANHOLE
□MH		STEAM MANHOLE
☼		AREA LIGHT
□CB		CATCH BASIN
○CO		CLEAN OUT
—x—x—		CHAIN LINK FENCE
GA —\—		GUY ANCHOR
		SIGNS
⊕	⊕	TYPE II WELL
⊕	⊕	TYPE III WELL (50' DEEP)
⊗	⊗	TYPE III WELL (70'–90' DEEP)
⊛	⊛	TYPE III WELL (GREATER THAN 90' DEEP)
◐		HYDROPUNCH
⊕		SOIL BORING
▣		PUMPING WELL
	◧	DPT PROBE
■		AIR SPARGE SVE VAULT
□		BIOSPARGE VAULT (100' WELL)
■		BIOSPARGE VAULT (80' WELL)
SBS–2		BIOSPARGE WELL LABEL (NORTH BIOSPARGE WELL NUMBER 11)
S–1		AIR SPARGE / SVE WELL LABEL (NORTH NUMBER 1)
		AIR SPARGE LINE
		VAPOR LINE
		BIOSPARGE LINE
		HORIZONTAL VAPOR COLLECTION LINE
		2005 SYSTEM EXPANSION

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APPROVED: _____ DEPT. MANAGER DATE: _____

AT FULL SCALE (IF NOT 1"–SCALE ACCORDINGLY)
CADD FILE: _____
DRAWN: L. SHULMAN
DESIGNED: BOB BROWN
CHECKED: RON KENYON
CHECKED: JIM DUNN

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION — NORFOLK, VIRGINIA
CONTRACT N62470–02–D–3260 — TASK ORDER NO. 055
PROJECT No. 117407 — MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 3.2
EXISTING AS/SVE REMEDIAL SYSTEM
SE COMPOUND
HADNOT POINT FUEL FARM

DRAWING NUMBER: 1
SHEET NUMBER: of
DATE: 1/24/06

File: L:\LEJEUNE–6–05\RAC_IV\HPFF_OPERATION AND MAINT\2008_AMR_HPFF\EXIST_AS_SVE_SYSTEM_SE_2008.dwg
Plot Date/Time: May 14, 2008 – 8:46am
Plotted By: teresa.robinson
Xref: 20005–20764BAS
Image:

LEGEND:

⊕ (20.86) SHALLOW MONITORING WELL ELEVATION

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

ELEVATON BASED ON NGVD

GRID NORTH-NAD 83

USTHPFFC-MW39 (13.78)

USTHPFFC-MW48 (15.90)

UST1115-MW04 (21.40)

USTHPFFC-MW51 (16.19)

(16.65) UST1115-MW09

UST1115GT-MW07 (19.96)

USTHPFFC-MW54 (20.56)

UST1115-MW02 (16.73)

UST1115GT-MW01 (21.95)

(17.04) UST1115-MW01

UST1115GT-MW09 (16.77)

USTHPFF-MW20 (21.03)

UST1115-MW-07 (18.77)

USTHPFFC-MW36 (18.05)

USTHPFF-MW12 (22.04)

USTHPFF-MW21

USTHPFFC-MW27

1232 1220 1053 1050 1108 1200

BIRCH STREET

HOLCOMB BLVD.

ASH STREET

WEST ROAD

CENTER ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

SCALE IN FEET 50 0 50 100

Shaw Shaw Environmental, Inc.

SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____

APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____

APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)

CADD FILE: _____

DRAWN: _____

DESIGNED: _____

CHECKED: _____

CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.1
SHALLOW WELL GROUNDWATER ELEVATION MAP AUGUST, 2007 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 10/09/07

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2007_dmr_hpff\GW_ELEV_sht-1-SHALL WELL-2007-FIG4-1.dwg
Plot Date/Time: May 14, 2008 - 9:42am
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 2007082314245_00001.jpg

LEGEND:

(16.61) INTERMEDIATE MONITORING WELL

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

ELEVATON BASED ON NGVD

GRID NORTH-NAD 83

BIRCH STREET

HOLCOMB BLVD.

ASH STREET

WEST ROAD

CENTER ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

1232

1220

1115-6

1053

1050

1108

1200

USTHPFFC-MW47 (14.22)

USTHPFFC-MW50 (15.06)

USTHPFFC-MW53 (16.61)

UST1115-MW17 (15.04)

UST1115-MW21 (15.71)

UST1115-MW14 (16.78)

UST1115-MW13 (15.59)

UST1115-MW15 (17.37)

UST1115-MW18 (14.60)

UST1115-MW20 (16.77)

1115-19

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-6 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11 NBS-12

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7

15.00 16.00 17.00

50 0 50 100

SCALE IN FEET

Shaw Environmental, Inc.

SUBMITTED: _____ PROJECT MANAGER: DATE: _____

APPROVED: _____ SR. PROJECT ENGINEER DATE: _____

APPROVED: _____ DEPT. MANAGER DATE: _____

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)

CADD FILE: _____

DRAWN: _____

DESIGNED: _____

CHECKED: _____

CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.2
INTERMEDIATE WELL GROUNDWATER ELEVATION MAP AUGUST, 2007 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 10/10/07

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2007_amr_hpff\GW_ELEV_sht-1-INT WELL-2007-fig4-2.dwg
Plot Date/Time: May 14, 2008 - 9:54am
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231142425_00001.jpg

LEGEND:

(17.80) DEEP MONITORING WELL

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

GRID NORTH-NAD 83

BIRCH STREET

HOLCOMB BLVD.

ASH STREET

WEST ROAD

CENTER ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

1232

1220

1200

1108

1115-6

1053

1050

UST1115-MW22
(14.61)

USTHPFFC-MW14
(15.36)

UST1115-MW24
(14.71)

UST1115-MW25
(15.31)

USTHPFFC-MW55
(17.80)

UST1115-MW23
(19.75)

1115-19

15.00

16.00

17.00

18.00

19.00

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-6 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11 NBS-12

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7

78GW19

50 0 50 100
SCALE IN FEET

Shaw
Shaw Environmental, Inc.

SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____

APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____

APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE
(IF NOT 1"-SCALE ACCORDINGLY)

CADD FILE: _____

DRAWN: _____

DESIGNED: _____

CHECKED: _____

CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.3
DEEP WELL GROUNDWATER ELEVATION MAP AUGUST, 2007 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 10/10/07

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2007_annr_hpff\GW_ELEV_sht-1-DEEP WELL-2007-FIG4-3.dwg
Plot Date/Time: May 14, 2008 - 9:56am
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424425_00001.jpg

LEGEND:

⊕ (20.86) SHALLOW MONITORING WELL ELEVATION

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

ELEVATON BASED ON NGVD

GRID NORTH-NAD 83

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

CENTER ROAD

GRAVEL ROAD

GRAVEL ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

1232

1220

1200

1115-6

1111

1100

1115

1108

1053

1050

USTHPFFC-MW48 (NM)

USTHPFFC-MW39 (13.02)

UST1115-MW04 (NM)

USTHPFFC-MW51 (15.24)

(18.04) UST1115-MW09

UST1115-MW02 (NM)

UST1115GT-MW01 (NM)

UST1115GT-MW07 (20.12)

USTHPFFC-MW54 (NM)

(NM) UST1115-MW01

UST1115GT-MW09 (19.71)

USTHPFF-MW20 (NM)

UST1115-MW-07 (17.93)

USTHPFFC-MW36 (NM)

USTHPFF-MW12 (20.98)

USTHPFF-MW11

USTHPFF-MW21

USTHPFFC-MW27

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-6 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11 NBS-12

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7

GT-2 GT-3 GT-5 GT-6 GT-8 GT-10 (DESTROYED)

HPFF-14 HPFF-18 HPFF-21 HPFF-37

1115-7 1115-19

50 0 50 100 SCALE IN FEET

Shaw Shaw Environmental, Inc.	AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)	REVISIONS
SUBMITTED: _____ PROJECT MANAGER: DATE: _____	CADD FILE: _____	ZONE / REV. / DESCRIPTION / BY / DATE / APP.
APPROVED: _____ SR. PROJECT ENGINEER DATE: _____	DRAWN: _____	
APPROVED: _____ DEPT. MANAGER DATE: _____	DESIGNED: _____	
	CHECKED: _____	
	CHECKED: _____	

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION — NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 — TASK ORDER NO. 055

PROJECT No. 117407 — MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.4
SHALLOW WELL GROUNDWATER ELEVATION MAP FEBRUARY, 2008 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 03/31/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_ELEV_sht-1-SHALL WELL-feb-2008-FIG4-4.dwg
Plot Date/Time: May 14, 2008 - 2:48pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 2007082314242S_00001.jpg

LEGEND:

(16.61) INTERMEDIATE MONITORING WELL

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

ELEVATON BASED ON NGVD

GRID NORTH-NAD 83

USTHPFFC-MW47 (13.31)

USTHPFFC-MW50 (NM)

USTHPFFC-MW53 (NM)

UST1115-MW17 (14.07)

UST1115-MW21 (14.84)

UST1115-MW14 (14.77)

UST1115-MW13 (14.91)

UST1115-MW15 (NM)

UST1115-MW18 (14.25)

UST1115-MW20 (15.41)

1115-19

14.00

15.00

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

CENTER ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

1220

1200

1232

1053

1050

1111

1100

1115

1108

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-6 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11 NBS-12

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7

N-1 N-2 N-3 N-4 N-5 N-6 N-7 N-8 N-9

S-1 S-2 S-3 S-4

50 0 50 100

SCALE IN FEET

Shaw Environmental, Inc.

SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____

APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____

APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)

CADD FILE: _____

DRAWN: _____

DESIGNED: _____

CHECKED: _____

CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.5
INTERMEDIATE WELL GROUNDWATER ELEVATION MAP FEBRUARY, 2008 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/02/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_ELEV_sht-1-INT WELL-FEB-2008-fig4-5.dwg
Plot Date/Time: May 14, 2008 - 2:50pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424425_00001.jpg

LEGEND:

(17.80) DEEP MONITORING WELL

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

CENTER ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

GRID NORTH-NAD 83

SCALE IN FEET

14.00

1232

1220

1200

1053

1050

1108

1115

1111

1100

UST1115–MW22
(13.46)

USTHPFFC–MW13
(NM)

UST1115–MW56
(NM)

UST1115–MW24
(13.89)

UST1115–MW25
(14.46)

USTHPFFC–MW55
(NM)

UST1115–MW23
(NM)

78GW19

1115-19

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-6 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11 NBS-12

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7

N-1 N-2 N-3 N-4 N-5 N-6 N-7 N-8 N-9 N-10 N-11 N-12

Shaw
Shaw Environmental, Inc.

SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____

APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____

APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)

CADD FILE: _____

DRAWN: _____

DESIGNED: _____

CHECKED: _____

CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.6
DEEP WELL GROUNDWATER ELEVATION MAP FEBRUARY, 2008 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/02/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_ELEV_sht-1-DEEP WELL-FEB-2008-FIG4-6.dwg
Plot Date/Time: May 14, 2008 - 2:50pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg

LEGEND:

- SHALLOW MONITORING WELL
- 16.00 GROUNDWATER ELEVATION CONTOUR LINE
- INFERRED GROUNDWATER FLOW

ELEVATON BASED ON NGVD

GRID NORTH-NAD 83

MATCHLINE JOINS SHEET 3

MATCHLINE JOINS SHEET 2

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

USTHPFF-MW21 (20.86)

USTHPFF-MW12 (22.04)

USTHPFF-MW11 (21.70)

USTHPFFC-MW01 (22.62)

USTHPFFC-MW36 (18.05)

UST1115-MW-07 (18.71)

USTHPFFC-MW17

USTHPFFC-MW25

USTHPFFC-MW26

UST1101-MW01 (18.71)

USTHPFFC-MW28

USTHPFFC-MW05 (19.66)

GIBB ROAD

USTHPFF-MW14

RAILROAD TRACKS

USTHPFFC-MW02 (21.68)

S1007

USTHPFF-MW06 (20.39)

USTHPFFC-MW19 (19.74)

USTHPFFC-MW31 (18.94)

USTHPFFC-MW30

USTHPFFC-MW42

EAST ROAD

USTHPFFC-MW15 (20.24)

USTHPFF-MW17A (19.89)

USTHPFF-MW10R (20.54)

(20.60) USTHPFF-MW15 USTHPFFC-MW32

USTHPFF-MW01 (18.17)

ASH STREET

USTHPFFC-MW03 (20.19)

USTHPFF-MW18 (19.20)

USTHPFF-MW19 (19.74)

USTHPFFC-MW20 (19.90)

GATE

USTHPFFC-MW38 (20.12)

USTHPFF-MW-09 (19.57)

HAMMOND ROAD

W CONC.

USTHPFF-MW-04

1201 1202 1101 1114 S1130 S1218 1105

BIRCH STREET

HPFF-35 HPFF-32 HPFF-18 HPFF-23 HPFF-24 HPFF-21 HPFF-22 HPFF-29 HPFF-38

78GW16

SCALE IN FEET 50 0 50 100

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

Shaw Environmental, Inc.

SUBMITTED: PROJECT MANAGER: DATE:
APPROVED: SR. PROJECT ENGINEER DATE:
APPROVED: DEPT. MANAGER DATE:

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)
CADD FILE:
DRAWN:
DESIGNED:
CHECKED:
CHECKED:

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

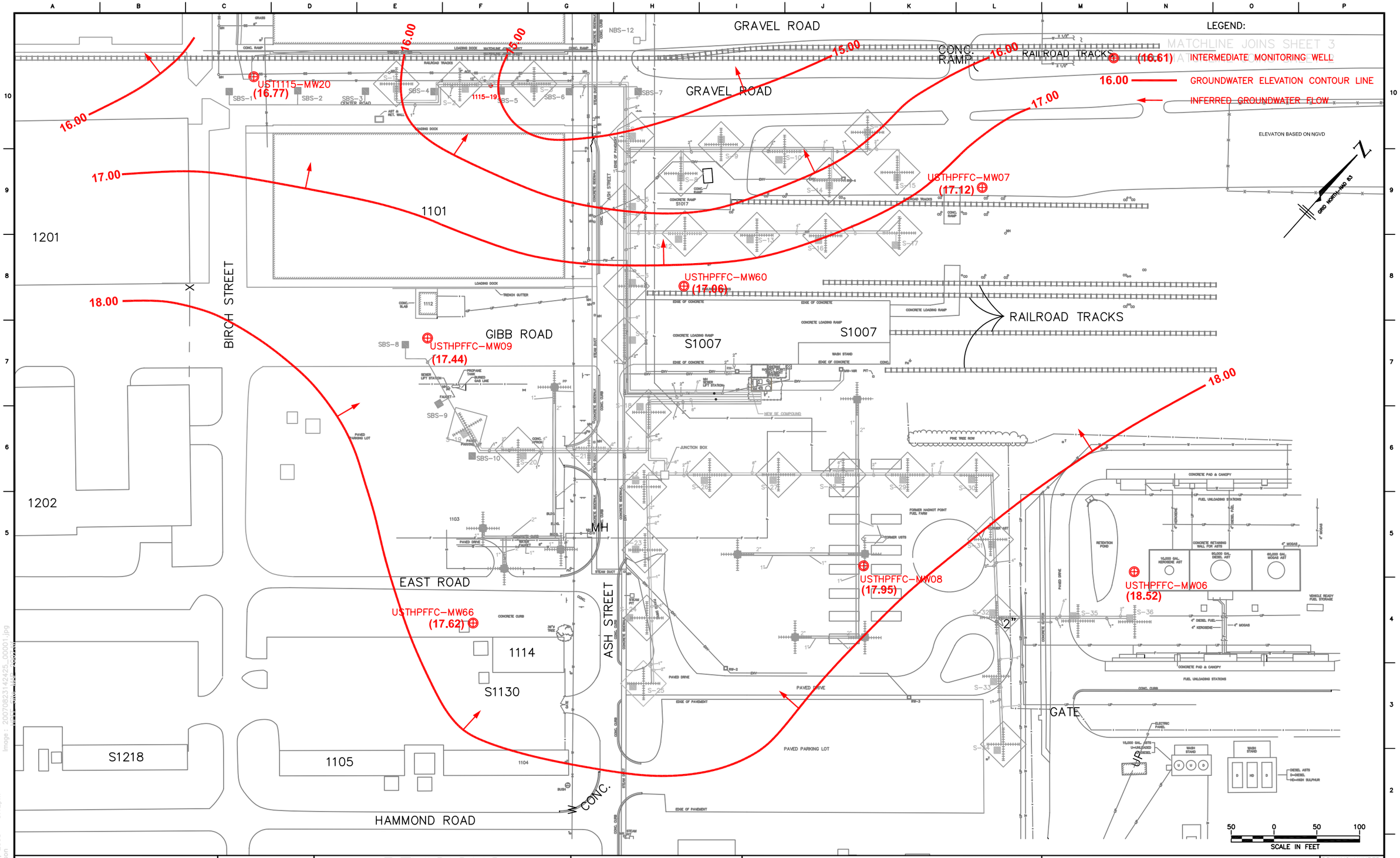
FIGURE 4.7
SHALLOW WELL GROUNDWATER ELEVATIONS AUGUST, 2007 HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/02/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_ELEV_sht-2-SHALL WELL-2007-FIG4-7.dwg
Plot Date/Time: May 14, 2008 - 3:10pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200706231424 25_00001.jpg


LEGEND:
MATCHLINE JOINS SHEET 3
INTERMEDIATE MONITORING WELL
16.00 GROUNDWATER ELEVATION CONTOUR LINE
INFERRED GROUNDWATER FLOW
ELEVATON BASED ON NGVD
GRID NORTH=NAD 83
GRAVEL ROAD
GRAVEL ROAD
CONC. RAMP
RAILROAD TRACKS
(16.61)
1201
1101
1202
BIRCH STREET
ASH STREET
GIBB ROAD
EAST ROAD
HAMMOND ROAD
RAILROAD TRACKS
S1007
S1007
1112
1103
1114
S1130
S1218
1105
1104
1115-19
UST1115-MW20
(16.77)
USTHPFFC-MW07
(17.12)
USTHPFFC-MW60
(17.06)
USTHPFFC-MW09
(17.44)
USTHPFFC-MW08
(17.95)
USTHPFFC-MW06
(18.52)
USTHPFFC-MW66
(17.62)
16.00
17.00
18.00
MH
GATE
W CONC.
2"
SCALE IN FEET
50 0 50 100

| | | |

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE JOINS SHEET 3

MATCHLINE JOINS SHEET 2

LEGEND:

(17.80) DEEP MONITORING WELL ELEVATION

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

GRID NORTH=NAD 83

1201

1101

BIRCH STREET

GIBB ROAD

1202

EAST ROAD

ASH STREET

1114

S1130

S1218

1105

HAMMOND ROAD

W CONC.

1112

1103

MH

S1007

RAILROAD TRACKS

GATE

1115-19

USTHPFFC-MW59 (16.76)

USTHPFFC-MW12 (16.75)

USTHPFFC-MW61 (16.38)

(17.51) IR78-GW32-2

IR78-GW32-3 (16.62)

IR78-GW17-02 (17.40)

(17.26) USTHPFFC-MW10

USTHPFFC-MW11 (17.16)

17.00

16.00

PAVED PARKING LOT

PAVED DRIVE

CONCRETE PAD & CANOPY

FUEL UNLOADING STATIONS

SCALE IN FEET 50 0 50 100

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SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____		CADD FILE: _____	ZONE	REV.	DESCRIPTION	BY	DATE	APP.	
APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____		DRAWN: _____							
APPROVED: _____ DEPT. MANAGER _____ DATE: _____		DESIGNED: _____							
		CHECKED: _____							
		CHECKED: _____							

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION — NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 — TASK ORDER NO. 055

PROJECT No. 117407 — MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.9
DEEP WELL GROUNDWATER ELEVATION MAP AUGUST, 2007 HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/02/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_ELEV_sht-2-DEEP WELL-2007-FIG4-9.dwg
Plot Date/Time: May 14, 2008 - 3:13pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg

LEGEND:

- SHALLOW MONITORING WELL
- 16.00 GROUNDWATER ELEVATION CONTOUR LINE
- INFERRED GROUNDWATER FLOW

ELEVATON BASED ON NGVD

GRID NORTH=NAD 83

USTHPFFC-MW36 (NM)
USTHPFFC-MW31 (NM)
USTHPFFC-MW26
USTHPFFC-MW25
USTHPFFC-MW17
USTHPFFC-MW28
USTHPFFC-MW05 (18.44)
USTHPFFC-MW19 (19.35)
USTHPFFC-MW15 (18.96)
USTHPFF-MW17A (18.85)
USTHPFF-MW10R (19.28)
USTHPFF-MW01 (17.29)
USTHPFF-MW18 (17.47)
USTHPFFC-MW38 (NM)
USTHPFF-MW19 (NM)
USTHPFFC-MW20 (18.65)
USTHPFFC-MW03 (NM)
USTHPFF-MW06 (19.24)
USTHPFFC-MW02 (NM)
USTHPFF-MW01 (NM)
USTHPFF-MW12 (20.98)
USTHPFF-MW11 (NM)
USTHPFF-MW21 (20.86)
UST1115-MW-07 (17.93)
UST1101-MW01 (NM)
(20.16) USTHPFF-MW15 USTHPFFC-MW32
USTHPFF-MW14
USTHPFF-MW16
USTHPFF-MW09 (NM)
78GW16
HPFF-18
HPFF-23
HPFF-24
HPFF-35
HPFF-32
HPFF-29
HPFF-38
HPFF-22
HPFF-21
MW-5
MW-A
RW-5
MW-2
MW-3
HPFF-MW-04
GT-10 (DESTROYED)

1201 1202 1101 1114 S1130 S1218 1105 1103 1104 1112 S1017 S1007

BIRCH STREET
ASH STREET
GIBB ROAD
EAST ROAD
HAMMOND ROAD
GRAVEL ROAD
RAILROAD TRACKS
CONC. RAMP
MH
GATE
CONC.

17.00 18.00 19.00 20.00

SCALE IN FEET: 50 0 50 100

Shaw Environmental, Inc.	AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)	DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND	DRAWING NUMBER:
SUBMITTED: ____ PROJECT MANAGER: ____ DATE: ____	CADD FILE:	ATLANTIC DIVISION	
APPROVED: ____ SR. PROJECT ENGINEER ____ DATE: ____	DRAWN:	NAVAL STATION — NORFOLK, VIRGINIA	SHEET NUMBER: of
APPROVED: ____ DEPT. MANAGER ____ DATE: ____	DESIGNED:	CONTRACT N62470-02-D-3260 — TASK ORDER NO. 055	
	CHECKED:	PROJECT No. 117407 — MARINE CORPS, CAMP LEJEUNE, N.C.	DATE: 04/02/08
	CHECKED:		

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

FIGURE 4.10
SHALLOW WELL
GROUNDWATER ELEVATIONS
FEBRUARY, 2008
HPFF SOUTH EAST

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_ELEV_sht-2-SHALL WELL-FEB-2008-FIG4-10.dwg
Plot Date/Time: May 14, 2008 - 3:14pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg

LEGEND:

- MATCHLINE JOINS SHEET 3
- INTERMEDIATE MONITORING WELL
- 16.00 GROUNDWATER ELEVATION CONTOUR LINE
- INFERRED GROUNDWATER FLOW

ELEVATON BASED ON NGVD

GRID NORTH=NAD 83

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

RAILROAD TRACKS

UST1115–MW20 (15.41)

1115–19

(16.61)

16.00

16.00

USTHPFFC–MW07 (16.27)

1201

1101

BIRCH STREET

USTHPFFC–MW60 (16.37)

GIBB ROAD

USTHPFFC–MW09 (16.46)

S1007

S1007

RAILROAD TRACKS

1112

1103

MH

EAST ROAD

ASH STREET

USTHPFFC–MW08 (16.75)

USTHPFFC–MW66 (16.63)

1202

1114

S1130

17.00

17.00

USTHPFFC–MW06 (17.61)

S1218

1105

1104

CONC.

HAMMOND ROAD

GATE

50 0 50 100

SCALE IN FEET

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	

Shaw Environmental, Inc.

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APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____

APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"–SCALE ACCORDINGLY)

CADD FILE: _____

DRAWN: _____

DESIGNED: _____

CHECKED: _____

CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470–02–D–3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

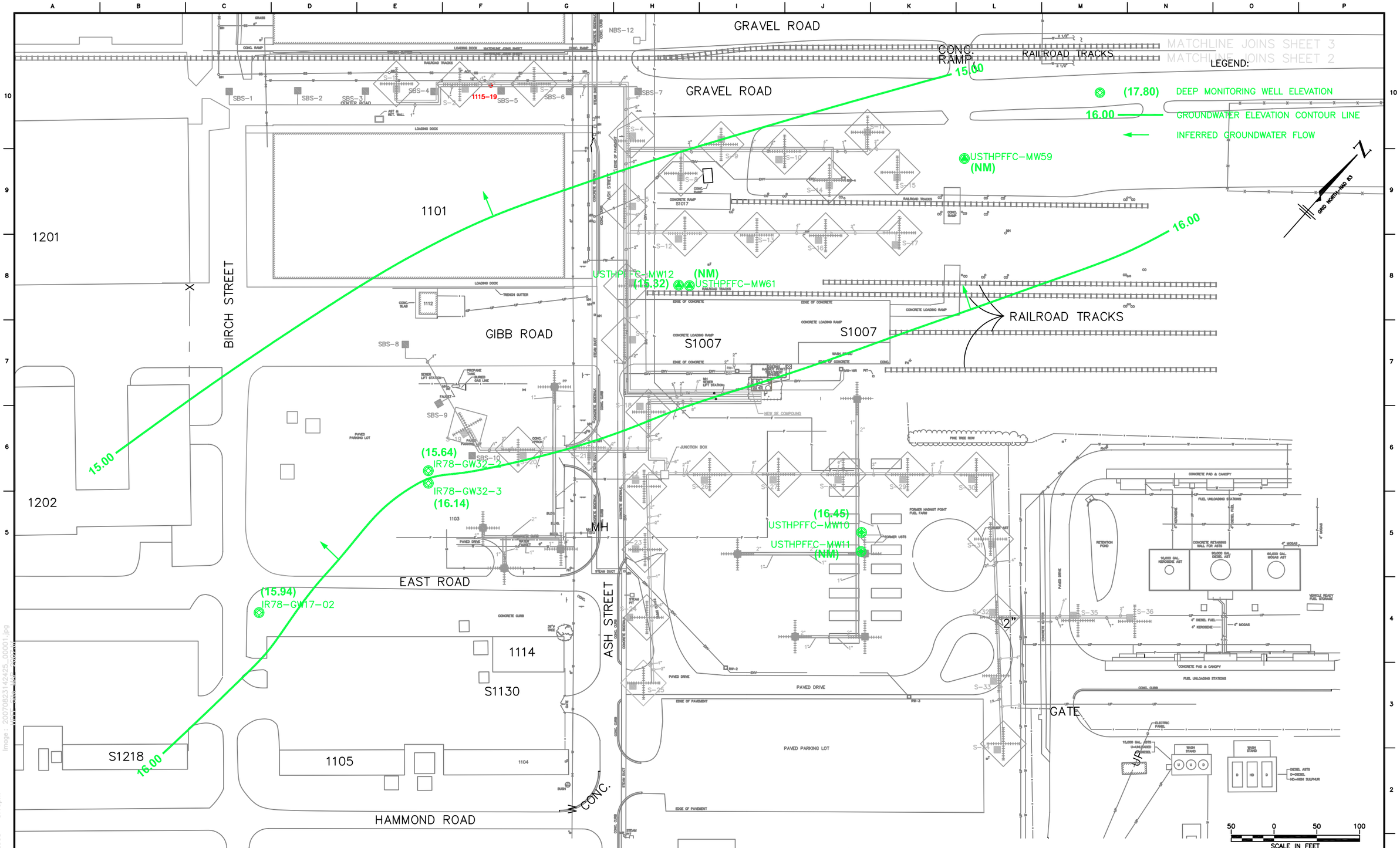
FIGURE 4.11
INTERMEDIATE WELL GROUNDWATER ELEVATION MAP FEBRUARY, 2008 HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/02/08

File: L:\LEJEUNE–6–05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_ELEV_sht–2–INT WELL–FEB–2008–fig4–11.dwg
Plot Date/Time: May 14, 2008 – 3:14pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231142425_00001.jpg


GRAVEL ROAD
RAILROAD TRACKS
CONC. RAMP
MATCHLINE JOINS SHEET 3
MATCHLINE JOINS SHEET 2
LEGEND:
(17.80) DEEP MONITORING WELL ELEVATION
16.00 GROUNDWATER ELEVATION CONTOUR LINE
INFERRED GROUNDWATER FLOW
GRID NORTH=NAD 83
USTHPFFC-MW59 (NM)
1201
1101
BIRCH STREET
GIBB ROAD
USTHPFFC-MW12 (NM) (15.32)
USTHPFFC-MW61
S1007
RAILROAD TRACKS
1202
(15.64) IR78-GW32-2
IR78-GW32-3 (16.14)
(16.45) USTHPFFC-MW10
USTHPFFC-MW11 (NM)
EAST ROAD
ASH STREET
(15.94) IR78-GW17-02
1114
S1130
S1218
1105
1104
W CONC.
HAMMOND ROAD
PAVED PARKING LOT
PAVED DRIVE
GATE
15.00
16.00
SCALE IN FEET

| | | |

LEGEND:

SHALLOW WELL ANALYTICAL RESULTS

BOLD INDICATES NCGOS EXCEEDENCE

ALL RESULTS IN µg/L

NS = NOT SAMPLED

BENZENE
ETHYLBENZENE
TOLUENE
TOTAL XYLENES

GRID NORTH-NAD 83

USTHPFFC-MW39

8/25/07	2/25/08
B = **5.7**	B = <1.0
E = <1.0	E = <1.0
T = <1.0	T = <1.0
X = <3.0	X = <3.0

USTHPFFC–MW39

USTHPFFC-MW48

8/24/07	2/26/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC–MW48

USTHPFFC-MW51

8/25/07	4/21/08
B = **2.1**	B = <1.0
E = <1.0	E = <1.0
T = <1.0	T = <1.0
X = <3.0	X = <3.0

USTHPFFC–MW51

UST1115-MW04

8/22/07	2/26/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115–MW04

UST1115-MW09

8/22/07	2/26/08
B = **120**	B = **107**
E = <2.0	E = 0.47J
T = <2.0	T = <2.0
X = <6.0	X = <6.0

UST1115–MW09

USTHPFFC-MW54

8/25/07	2/26/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC–MW54

UST1115GT-MW01

8/24/07	2/26/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115GT–MW01

UST1115-MW02

8/23/07	2/26/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115–MW02

UST1115GT-MW07

8/21/07	2/26/08
B = 0.65J	B = **71.0**
E = 0.35J	E = 0.89J
T = 0.95J	T = <1.0
X = 1.7J	X = <3.0

UST1115GT–MW07

UST1115GT-MW09

8/22/07	2/26/08
B = **21.4**	B = **2.3**
E = <1.0	E = 0.21J
T = <1.0	T = <1.0
X = <3.0	X = <3.0

UST1115GT–MW09

USTHPFF-MW20

8/24/07	2/26/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFF–MW20

USTHPFF-MW12

8/20/07	2/26/08
B = **758**	B = **1110**
E = 88.6	E = 85
T = 717	T = 773
X = 392	X = 294

USTHPFF–MW12

UST1115-MW01

8/21/07	2/26/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115–MW01

USTHPFFC-MW36

8/21/07	2/26/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC–MW36

UST1115-MW07

8/22/07	2/27/08
B = **6,230**	B = **4,250**
E = **1,560**	E = **1,040**
T = **8,400**	T = **6,350**
X = **3,970**	X = **3,530**

UST1115–MW–07

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

1220 1232 1053 1050 1200 1108 1111 1100 1115 1115-6

SCALE IN FEET 50 0 50 100

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

AT FULL SCALE (IF NOT 1"–SCALE ACCORDINGLY)

CADD FILE:
DRAWN:
DESIGNED:
CHECKED:
CHECKED:

Shaw
Shaw Environmental, Inc.

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APPROVED: SR. PROJECT ENGINEER DATE:
APPROVED: DEPT. MANAGER DATE:

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.13
SHALLOW WELL BETX GROUNDWATER ANALYTICAL RESULTS 2007–2008 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/03/08

File: L:\LEJEUNE-6-05 RAC_IV HPFF OPERATION AND MAINT 2008_AMR_HPFF GW_BETX_sht-1-SHALL WELL-2007-2008-FIG4-13.dwg
Plot Date/Time: May 14, 2008 - 3:21pm
Plotted By: teresa.robinson
Xref: H:\NOTBASE
Image: 2007082314245_00001.jpg

USTHPFFC-MW47	
8/25/07	2/25/08
B = **993**	B = **747**
E = 31.5	E = 25.8
T = <20	T = <10
X = <60	X = <30

USTHPFFC-MW50	
8/24/07	2/25/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW17	
8/22/07	2/25/08
B = **304**	B = **442**
E = 29.6	E = 21.4
T = <5.0	T = <3.0
X = 7.3 J	X = 11.4J

UST1115-MW14	
8/22/07	2/25/08
B = **170**	B = **229**
E = <2.0	E = 1.1J
T = <2.0	T = 2.4
X = <6.0	X = 1.1J

UST1115-MW13	
8/24/07	2/25/08
B = **78.5**	B = **40.8**
E = 7.6	E = 0.75J
T = 0.35J	T = 0.37J
X = 5.2	X = 2.4J

UST1115-MW15	
8/24/07	2/25/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW21	
8/23/07	2/25/08
B = **45.2**	B = **1.7**
E = <1.0	E = 0.34J
T = <1.0	T = <1.0
X = <3.0	X = <3.0

USTHPFFC-MW53	
8/25/07	2/25/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW18	
8/22/07	2/26/08
B = **5.5**	B = **3.1**
E = <1.0	E = 0.33J
T = 0.27J	T = 0.29J
X = <3.0	X = <3.0

UST1115-MW20	
8/20/07	2/27/08
B = **18,700**	B = **3,280**
E = **1,190**	E = 74.4
T = 106 J	T = 44.1J
X = **2,510**	X = 35.7J

LEGEND:

INTERMEDIATE WELL ANALYTICAL RESULTS

BOLD INDICATES NCGOS EXCEEDENCE

ALL RESULTS IN $\mu g/L$

NS = NOT SAMPLED

BENZENE
ETHYLBENZENE
TOLUENE
TOTAL XYLENES

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

1220 1232 1115-6 1111 1100 1115 1053 1050 1200 1108

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-6 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11 NBS-12

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7

1115-19

GRID NORTH-NAD 83

50 0 50 100
SCALE IN FEET

Shaw Environmental, Inc.

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APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____
APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)
CADD FILE: _____
DRAWN: _____
DESIGNED: _____
CHECKED: _____
CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.14
INTERMEDIATE WELL BETX GROUNDWATER ANALYTICAL RESULTS 2007-2008
HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/03/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_BETX_sht-1-INT WELL-2007-2008-FIG4-14.dwg
Plot Date/Time: May 14, 2008 - 3:25pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg

LEGEND:

DEEP WELL ANALYTICAL RESULTS

BOLD INDICATES NCGOS EXCEEDENCE

ALL RESULTS IN µg/L

NS = NOT SAMPLED

BENZENE
ETHYLBENZENE
TOLUENE
TOTAL XYLENES

GRID NORTH-NAD 83

UST1115-MW22

8/22/07	2/25/08
B = **600**	B = **174**
E = <10	E = 0.59J
T = <10	T = 0.65J
X = <30	X = <6.0

USTHPFFC-MW13

8/24/07	2/25/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW56

8/24/07	2/25/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW55

8/25/07	2/25/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW24

8/23/07	2/25/08
B = **4.4**	B = **1.4**
E = <1.0	E = 0.36J
T = <1.0	T = <1.0
X = <3.0	X = <3.0

UST1115-MW25

8/24/07	2/25/08
B = 0.83J	B = **3.9**
E = <1.0	E = 0.61J
T = <1.0	T = <1.0
X = <3.0	X = <3.0

UST1115-MW23

8/22/07	2/25/08
B = <5.0	B = NS
E = <5.0	E = NS
T = <5.0	T = NS
X = <15	X = NS

HOLCOMB BLVD.
ASH STREET
BIRCH STREET
WEST ROAD
GRAVEL ROAD
RAILROAD TRACKS
CONC. RAMP
MATCHLINE
MATCHLINE
1232
1220
1200
1108
1053
1050
1115
1111
1100
78GW19
1115-19
SCALE IN FEET

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

Shaw Environmental, Inc.

SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____
APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____
APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)
CADD FILE:
DRAWN:
DESIGNED:
CHECKED:
CHECKED:

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NAVAL STATION NORFOLK, VIRGINIA
CONTRACT N62470-02-D-3260 TASK ORDER NO. 055
PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.15
DEEP WELL
BETX GROUNDWATER ANALYTICAL RESULTS
2007-2008
HPFF NORTH WEST

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 02/03/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_BETX_sht-1-DEEP WELL-2007-2008_FIG4-15.dwg
Plot Date/Time: May 14, 2008 - 3:25pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424251_00001.jpg

LEGEND:

SHALLOW WELL ANALYTICAL RESULTS
BOLD INDICATES NCGOS EXCEEDENCE

ALL RESULTS IN µg/L

FP = FREE PRODUCT

NS = NOT SAMPLED

BENZENE
ETHYLBENZENE
TOLUENE
TOTAL XYLENES

MATCHLINE JOINS SHEET 3

MATCHLINE JOINS SHEET 2

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

USTHPFF-MW21

USTHPFFC-MW01

8/23/07	2/28/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW01

USTHPFF-MW12

USTHPFF-MW11

HPFF-21

USTHPFF-MW11

8/16/07	2/28/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

HPFF-24

USTHPFFC-MW17

USTHPFFC-MW25

1101

1201

UST1101-MW01

8/16/07	2/28/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW36

USTHPFFC-MW26

UST1101-MW01

BIRCH STREET

HPFF-35

USTHPFFC-MW28

GIBB ROAD

USTHPFFC-MW05

USTHPFFC-MW05

8/16/07	2/28/08
B = <1.0	B = **3.9**
E = <1.0	E = 2.3
T = 0.66J	T = 4.5
X = <3.0	X = 12.4

USTHPFFC-MW19

8/20/07	2/27/08
B = **13,700**	B = **3,760**
E = **970**	E = 447
T = **11,200**	T = **2,330**
X = **3,350**	X = **2,040**

USTHPFFC-MW19

1202

HPFF-32

USTHPFFC-MW31

USTHPFFC-MW30

USTHPFF-MW15

8/17/07	3/03/08
B = **561**	B = **422**
E = **3,080**	E = **2,280**
T = **8,510**	T = **5,770**
X = **16,900**	X = **13,300**

USTHPFFC-MW42

EAST ROAD

USTHPFF-MW15

USTHPFFC-MW72

USTHPFFC-MW72

8/17/07	2/28/08
B = **16,800**	B = **FP**
E = **1,680**	E = **FP**
T = **28,400**	T = **FP**
X = **8,290**	X = **FP**

1114

S1130

USTHPFFC-MW31

8/15/07	2/28/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

S1218

1105

78GW16

USTHPFF-MW09

USTHPFF-MW09

8/16/07	2/28/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

CONC.

HAMMOND ROAD

ASH STREET

MH

USTHPFFC-MW15

USTHPFFC-MW15

8/16/07	2/28/08
B = **21,300**	B = **FP**
E = **1,100**	E = **FP**
T = **32,700**	T = **FP**
X = **9,940**	X = **FP**

USTHPFF-MW17A

USTHPFF-MW17A

8/16/07	8/16/07
B = **7,240**	B = **6,480**
E = **2,740**	E = **2,720**
T = **26,600**	T = **25,200**
X = **7,780**	X = **9,420**

USTHPFF-MW01

USTHPFF-MW01

8/15/07	2/28/08
B = **4,530**	B = **3,910**
E = **2,270**	E = **2,860**
T = **22,200**	T = **19,500**
X = **13,300**	X = **13,200**

USTHPFF-MW18

USTHPFF-MW18

8/15/07	8/15/07
B = **15,400**	B = **FP**
E = **1,180**	E = **FP**
T = **29,500**	T = **FP**
X = **7,940**	X = **FP**

USTHPFFC-MW38

USTHPFFC-MW38

8/15/07	2/28/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

HPFF-MW-04

USTHPFF-MW10R

USTHPFF-MW10R

8/21/07	2/28/08
B = **1,240**	B = **720**
E = **307**	E = 494
T = **828**	T = **1,420**
X = **1,320**	X = **2,520**

USTHPFFC-MW03

USTHPFFC-MW03

8/14/07	2/28/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFF-MW19

USTHPFF-MW19

8/14/07	2/28/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW20

USTHPFFC-MW20

8/14/07	2/28/08
B = **374**	B = **3,240**
E = 272	E = **1,040**
T = 77.3	T = **7,360**
X = **599**	X = **2,260**

USTHPFF-MW06

USTHPFF-MW06

8/21/07	2/27/08
B = **38.1**	B = **92.0**
E = 12.8	E = 24.8
T = 19.7	T = 44.9
X = 34.3	X = 91.8

USTHPFFC-MW02

USTHPFFC-MW02

8/20/07	2/27/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

RAILROAD TRACKS

S1007

GATE

GRID NORTH, NAD 83

50 0 50 100

SCALE IN FEET

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ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.16
SHALLOW WELL
BETX GROUNDWATER ANALYTICAL RESULTS
2007-2008
HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/04/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_BETX_sht-2-SHALL WELL-2007-2008-FIG4-16.dwg
Plot Date/Time: May 14, 2008 - 3:24pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200706231424251_00001.jpg

LEGEND:

INTERMEDIATE MONITORING WELL

BOLD INDICATES NCGOS EXCEEDENCE

ALL RESULTS IN µg/L

FP = FREE PRODUCT

NS = NOT SAMPLED

BENZENE
ETHYLBENZENE
TOLUENE
TOTAL XYLENES

GRID NORTH=NAD 83

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

USTH1115–MW20

1115–19

USTHPFFC–MW07

USTHPFFC-MW07	
8/23/07	2/26/08
B = **2.0**	B = **11.3**
E = <1.0	E = 2.6
T = <1.0	T = 19.3
X = <3.0	X = 7.7

USTHPFFC-MW09	
8/16/07	2/27/08
B = <1.0	B = **15.9**
E = <1.0	E = 1.1
T = 0.88J	T = <1.0
X = <3.0	X = <3.0

USTHPFFC-MW60	
8/20/07	2/27/08
B = **6,700**	B = **8,650**
E = 57 J	E = 234
T = <100	T = 53.0J
X = <300	X = 64.2J

USTHPFFC–MW60

USTHPFFC–MW09

BIRCH STREET

GIBB ROAD

S1007

RAILROAD TRACKS

USTHPFFC-MW06	
8/14/07	2/28/08
B = 0.76J	B = **14.1**
E = <1.0	E = 16.8
T = <1.0	T = 64.9
X = <3.0	X = 36.1

USTHPFFC–MW06

USTHPFFC–MW08

USTHPFFC-MW08	
8/15/07	2/28/08
B = **7,730**	B = **2,760**
E = 323	E = 163
T = 324	T = 134
X = **979**	X = 455

USTHPFFC–MW66

USTHPFFC-MW66	
8/17/07	2/27/08
B = **3,830**	B = **FP**
E = 324	E = **FP**
T = <1.0	T = **FP**
X = 379	X = **FP**

1201 1202 1103 1112 1114 1105 1104 S1130 S1218

EAST ROAD

ASH STREET

HAMMOND ROAD

W CONC.

MH

GATE

SCALE IN FEET 50 0 50 100

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ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.17
INTERMEDIATE WELL
BETX GROUNDWATER ANALYTICAL RESULTS
2007–2008
HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/04/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_ELEV_sht-2-INT WELL-2007-2008-FIG4-17.dwg
Plot Date/Time: May 14, 2008 - 3:24pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

RAILROAD TRACKS

LEGEND:

MATCHLINE JOINS SHEET 3

MATCHLINE JOINS SHEET 2

DEEP MONITORING WELL

BOLD INDICATES NCGOS EXCEEDENCE

~~ALL RESULTS IN µg/l~~

FP = FREE PRODUCT

NS = NOT SAMPLED

BENZENE
ETHYLBENZENE
TOLUENE
TOTAL XYLENES

GRID NORTH-NAD 83

1201

BIRCH STREET

1202

GIBB ROAD

EAST ROAD

ASH STREET

HAMMOND ROAD

S1218

1105

1104

1114

S1130

1101

1103

S1007

S1007

1115-19

SBS-1 SBS-2 SBS-3 CENTER ROAD SBS-4 SBS-5 SBS-6 SBS-7 SBS-8 SBS-9 SBS-10 NBS-12

S-1 S-2 S-3 S-4 S-5 S-6 S-7 S-8 S-9 S-10 S-11 S-12 S-13 S-14 S-15 S-16 S-17 S-18 S-19 S-20 S-21 S-22 S-23 S-24 S-25 S-26 S-27 S-28 S-29 S-30 S-31 S-32 S-33 S-34 S-35 S-36

USTHPFFC-MW12

8/20/07	2/27/08
B = **47**	B = **63.6**
E = 1.1	E = 0.89J
T = 0.53J	T = 2.3
X = <3.0	X = 0.92J

USTHPFFC-MW59

8/23/07	3/03/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW61

8/20/07	3/03/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = 3.3J	X = NS

USTHPFFC-MW10

8/16/07	2/28/08
B = 0.73J	B = <1.0
E = <1.0	E = <1.0
T = <1.0	T = <1.0
X = <3.0	X = <3.0

USTHPFFC-MW11

8/15/07	2/28/08
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

IR78-GW32-02

8/18/07	3/03/08
B = **915**	B = **33.7**
E = **705**	E = 12.7
~~T = **2,930**~~	~~T = 96.3~~
X = **3,200**	X = 68.9

IR78-GW32-03

8/18/07	3/03/08
B = **74.6**	B = 0.53J
E = 54	E = 0.69J
T = 321	T = 3.4
X = **679**	X = 3.9

IR78-GW17-02

8/16/07	2/27/08
B = **9.8**	B = **9.4**
E = <1.0	E = 1.8
T = <1.0	T = 5.8
X = <3.0	X = 10.0

IR78-GW32-2 IR78-GW32-3 IR78-GW17-02 USTHPFFC-MW12 USTHPFFC-MW61 USTHPFFC-MW59 USTHPFFC-MW10 USTHPFFC-MW11

MH

CONC.

GATE

12"

SCALE IN FEET 50 0 50 100

File: L:\LEJUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\GW_ELEV_sht-2-DEEP WELL-2007-2008-FIG4-18.dwg
Plot Date/Time: May 14, 2008 - 3:25pm
Plotted By: teresa.robinson
Xref : HADNOTBASE
Image : 200708231424 25_0000 1.jpg

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NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.18
DEEP WELL
BETX GROUNDWATER ANALYTICAL RESULTS
2007-2008
HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/04/08

LEGEND:

- ⊕ SHALLOW MONITORING WELL
- (120) BENZENE µg/L
- 100 BENZENE ISOCONCENTRATION CONTOUR
- ESTIMATED EXTENT OF FREE PRODUCT

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

GRID NORTH-NAD 83

SCALE IN FEET 50 0 50 100

USTHPFFC-MW39 (5.7)

USTHPFFC-MW48 (<1.0)

UST1115-MW04 (<1.0)

USTHPFFC-MW51 (2.1)

(120) UST1115-MW09

UST1115-MW02 (<1.0)

UST1115GT-MW01 (<1.0)

UST1115GT-MW07 (0.65)

USTHPFFC-MW54 (<1.0)

(<1.0) UST1115-MW01

UST1115GT-MW09 (2.4)

USTHPFF-MW20 (<1.0)

USTHPFF-MW21

UST1115-MW-07 (6,230)

USTHPFFC-MW36 (<1.0)

USTHPFF-MW12 (758)

USTHPFF-MW11

1220 1200 1108 1053 1050 1232 1111 1100 1115 1115-6

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-6 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11

GT-1 GT-2 GT-3 GT-4 GT-5 GT-6 GT-8 GT-10 (DESTROYED)

HPFF-14 HPFF-18 HPFF-21 HPFF-37

1115-3 1115-7 1115-8 1115-10 1115-19

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7

P-1 P-2

1078-GW22-2

1 10 100 1000

REVISIONS					
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Shaw Environmental, Inc.

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APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____

APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)

CADD FILE: _____

DRAWN: _____

DESIGNED: _____

CHECKED: _____

CHECKED: _____

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 5.1
SHALLOW WELL BENZENE ISOCONCENTRATION MAP AUGUST, 2007 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/04/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht-1-SHALL-BEN-AUG-2007-FIG5-1.dwg
Plot Date/Time: May 14, 2008 - 3:30pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424?5_00001.jpg

LEGEND:

- ⊕ SHALLOW MONITORING WELL
- (120) BENZENE µg/L
- 100 BENZENE ISOCONCENTRATION CONTOUR
- ESTIMATED EXTENT OF FREE PRODUCT

USTHPFFC–MW39 (<1.0)

USTHPFFC–MW48 (NS)

1232

HOLCOMB BLVD.

ASH STREET

UST1115–MW04 (NS)

USTHPFFC–MW51 (<1.0)

(107) UST1115–MW09

1053

1220

1115

1111

1100

1115

BIRCH STREET

UST1115–MW02 (NS)

UST1115GT–MW01 (NS)

UST1115GT–MW07 (71.0)

USTHPFFC–MW54 (NS)

WEST ROAD

1050

(NS) UST1115–MW01

(2.3) UST1115GT–MW09

1108

USTHPFF–MW20 (NS)

1200

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

UST1115–MW–07 (4,215)

USTHPFF–MW21

USTHPFFC–MW36 (NS)

GRAVEL ROAD

USTHPFF–MW12 (1,110)

USTHPFF–MW11

1 10 100 1000

GRID NORTH–NAD 83

SCALE IN FEET 50 0 50 100

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APPROVED: _____ SR. PROJECT ENGINEER DATE: _____	DRAWN:	
APPROVED: _____ DEPT. MANAGER DATE: _____	DESIGNED:	
	CHECKED:	
	CHECKED:	

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470–02–D–3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 5.2
SHALLOW WELL BENZENE ISOCONCENTRATION MAP FEBRUARY, 2008 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/04/08

File: L:\LEJEUNE–6–05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht–1–SHALL–BEN–FEB–2008–FIG5–2.dwg
Plot Date/Time: May 14, 2008 – 3:32pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424 25_00001.jpg

LEGEND:

- INTERMEDIATE MONITORING WELL
- (120) BENZENE µg/L
- 100 BENZENE ISOCONCENTRATION CONTOUR
- ESTIMATED EXTENT OF FREE PRODUCT

USTHPFFC–MW50 (<1.0)

USTHPFFC–MW47 (993)

UST1115–MW17 (304)

UST1115–MW21 (45.2)

UST1115–MW14 (170)

UST1115–MW13 (78.5)

UST1115–MW15 (<1.0)

UST1115–MW18 (5.5)

USTHPFFC–MW53 (<1.0)

UST1115–MW20 (18,700)

1115–19

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

1220

1200

1232

1053

1050

1115–6

1111

1100

1115

1108

NBS–1 NBS–2 NBS–3 NBS–4 NBS–5 NBS–6 NBS–7 NBS–8 NBS–9 NBS–10 NBS–11 NBS–12

SBS–1 SBS–2 SBS–3 SBS–4 SBS–5 SBS–6 SBS–7

N–1 N–2 N–3 N–4 N–5 N–6 N–7 N–8 N–9

1 10 100 1,000 10,000

GRID NORTH–NAD 83

50 0 50 100 SCALE IN FEET

Shaw Environmental, Inc.

SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____

APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____

APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"–SCALE ACCORDINGLY)

CADD FILE: _____

DRAWN: _____

DESIGNED: _____

CHECKED: _____

CHECKED: _____

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ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470–02–D–3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 5.3
INTERMEDIATE WELL BENZENE ISOCONCENTRATION MAP AUGUST, 2007 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/04/08

File: L:\LEJEUNE–6–05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht–1–INT–BEN–AUG–2007–fig5–3.dwg
Plot Date/Time: May 14, 2008 – 3:31pm
Plotted By: teresa.robinson
Xref: H:\DNOTBASE
Image: 200708231424425_00001.jpg

LEGEND:

- ⊕ INTERMEDIATE MONITORING WELL
- (120) BENZENE µg/L
- 100 BENZENE ISOCONCENTRATION CONTOUR
- ESTIMATED EXTENT OF FREE PRODUCT
- NS NOT SAMPLED

USTHPFFC–MW50 (NS)

USTHPFFC–MW47 (747)

HOLCOMB BLVD.

ASH STREET

UST1115–MW17 (442)

1232

1220

1053

1115–6

BIRCH STREET

UST1115–MW21 (1.7)

WEST ROAD

UST1115–MW14 (229)

UST1115–MW13 (40.8)

1111

1100

1115

USTHPFFC–MW53 (NS)

1050

UST1115–MW15 (NS)

UST1115–MW18 (3.1)

1108

1200

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

UST1115–MW20 (3,280)

1115–19

GRID NORTH–NAD 83

SCALE IN FEET 50 0 50 100

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

Shaw Environmental, Inc.

SUBMITTED: _____ DATE: _____ PROJECT MANAGER:

APPROVED: _____ DATE: _____ SR. PROJECT ENGINEER

APPROVED: _____ DATE: _____ DEPT. MANAGER

AT FULL SCALE (IF NOT 1"–SCALE ACCORDINGLY)

CADD FILE: _____

DRAWN: _____

DESIGNED: _____

CHECKED: _____

CHECKED: _____

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470–02–D–3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 5.4
INTERMEDIATE WELL BENZENE ISOCONCENTRATION MAP FEBRUARY, 2008 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/07/08

File: L:\LEJEUNE–6–05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht–1–NT–FEB–2008–fig5–4.dwg
Plot Date/Time: May 14, 2008 – 3:31pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424425_00001.jpg

LEGEND:

- DEEP MONITORING WELL
- (120) BENZENE µg/L
- 100 BENZENE ISOCONCENTRATION CONTOUR
- ESTIMATED EXTENT OF FREE PRODUCT

GRID NORTH=NAD 83

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

1 10 100

UST1115–MW22 (600)

USTHPFFC–MW13 (<1.0)

UST1115–MW21 (<1.0)

78GW19

1115-6

UST1115–MW24 (4.4)

UST1115–MW25 (0.83)

USTHPFFC–MW55 (<1.0)

UST1115–MW23 (<5.0)

1115-19

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-6 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11 NBS-12

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7

N-1 N-2 N-3 N-4 N-5 N-6 N-7 N-8 N-9 N-10

S-1 S-2 S-3 S-4 S-5 S-6 S-7

1220 1232 1053 1050 1200 1108 1111 1100 1115

50 0 50 100
SCALE IN FEET

Shaw
Shaw Environmental, Inc.

SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____
APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____
APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"–SCALE ACCORDINGLY)
CADD FILE: _____
DRAWN: _____
DESIGNED: _____
CHECKED: _____
CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470–02–D–3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 5.5
DEEP WELL BENZENE ISOCONCENTRATION MAP AUGUST, 2007 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 10/17/07

File: L:\LEJEUNE–6–05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht–1–DEEPAUG–2007–FIG5–5.dwg
Plot Date/Time: May 14, 2008 – 3:32pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424425_00001.jpg

LEGEND:

- DEEP MONITORING WELL
- (120) BENZENE µg/L
- 100 BENZENE ISOCONCENTRATION CONTOUR
- ESTIMATED EXTENT OF FREE PRODUCT
- NS = NOT SAMPLED

GRID NORTH=NAD 83

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

1 10 100

UST1115–MW22 (174)

UST1115–MW24 (1.4)

UST1115–MW25 (3.9)

USTHPFFC–MW13 (NS)

UST1115–MW23 (NS)

USTHPFFC–MW55 (NS)

1115–19

78GW19

1232 1220 1200 1053 1050 1111 1100 1115 1108

NBS-1 NBS-2 NBS-3 NBS-4 NBS-5 NBS-7 NBS-8 NBS-9 NBS-10 NBS-11 NBS-12

N-1 N-2 N-3 N-4 N-5 N-6 N-7 N-8 N-9

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7

50 0 50 100
SCALE IN FEET

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht-1-DEEP FEB-2008-FIG5-6.dwg
Plot Date/Time: May 14, 2008 - 3:32pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424425_00001.jpg

Shaw
Shaw Environmental, Inc.

SUBMITTED: _____ DATE: _____ PROJECT MANAGER:
APPROVED: _____ DATE: _____ SR. PROJECT ENGINEER
APPROVED: _____ DATE: _____ DEPT. MANAGER

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)
CADD FILE: _____
DRAWN: _____
DESIGNED: _____
CHECKED: _____
CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

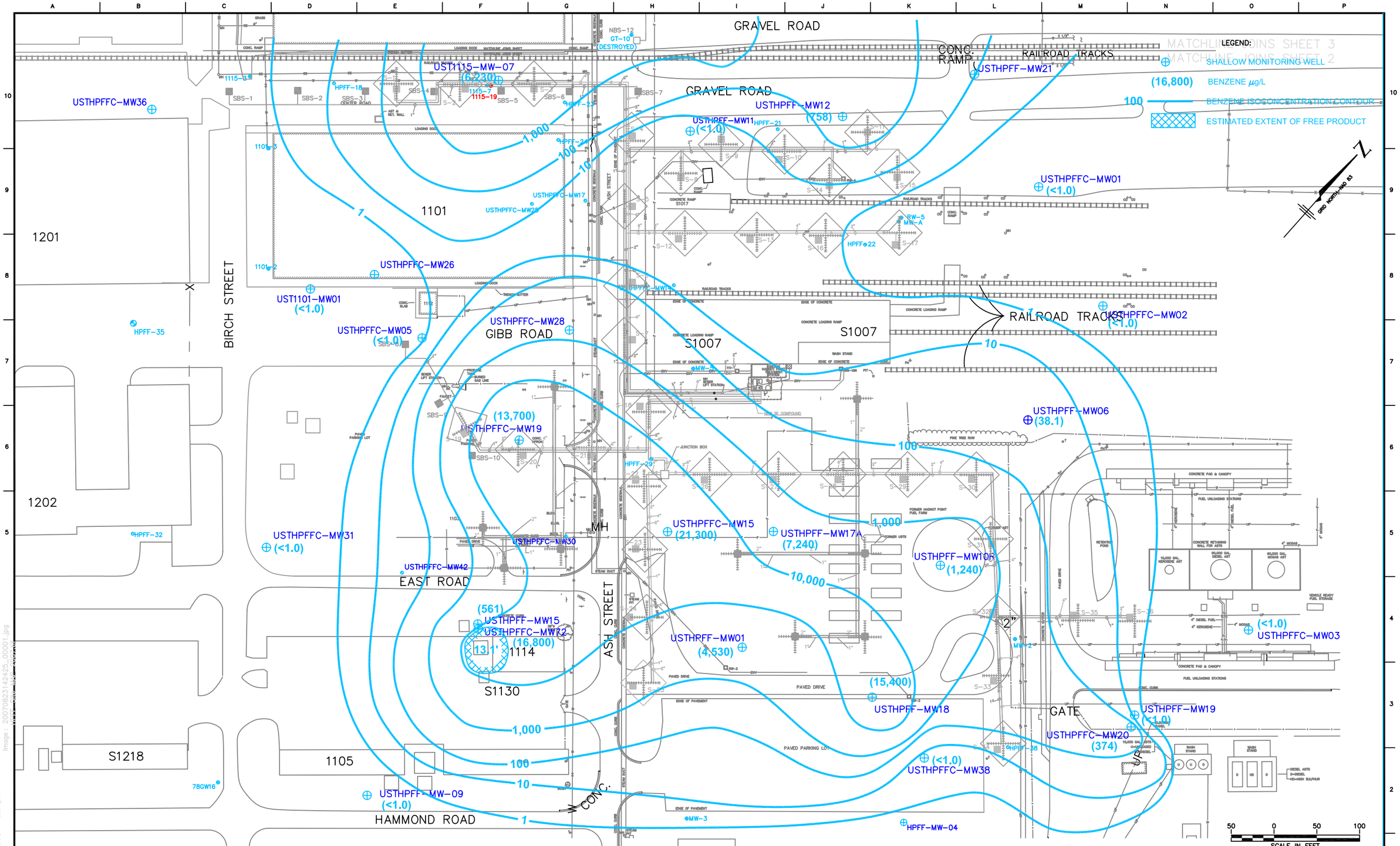
NAVAL STATION NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 5.6
DEEP WELL
BENZENE ISOCONCENTRATION MAP
FEBRUARY, 2008
HPFF NORTH WEST

DRAWING NUMBER: 1
SHEET NUMBER: of
DATE: 04/07/08

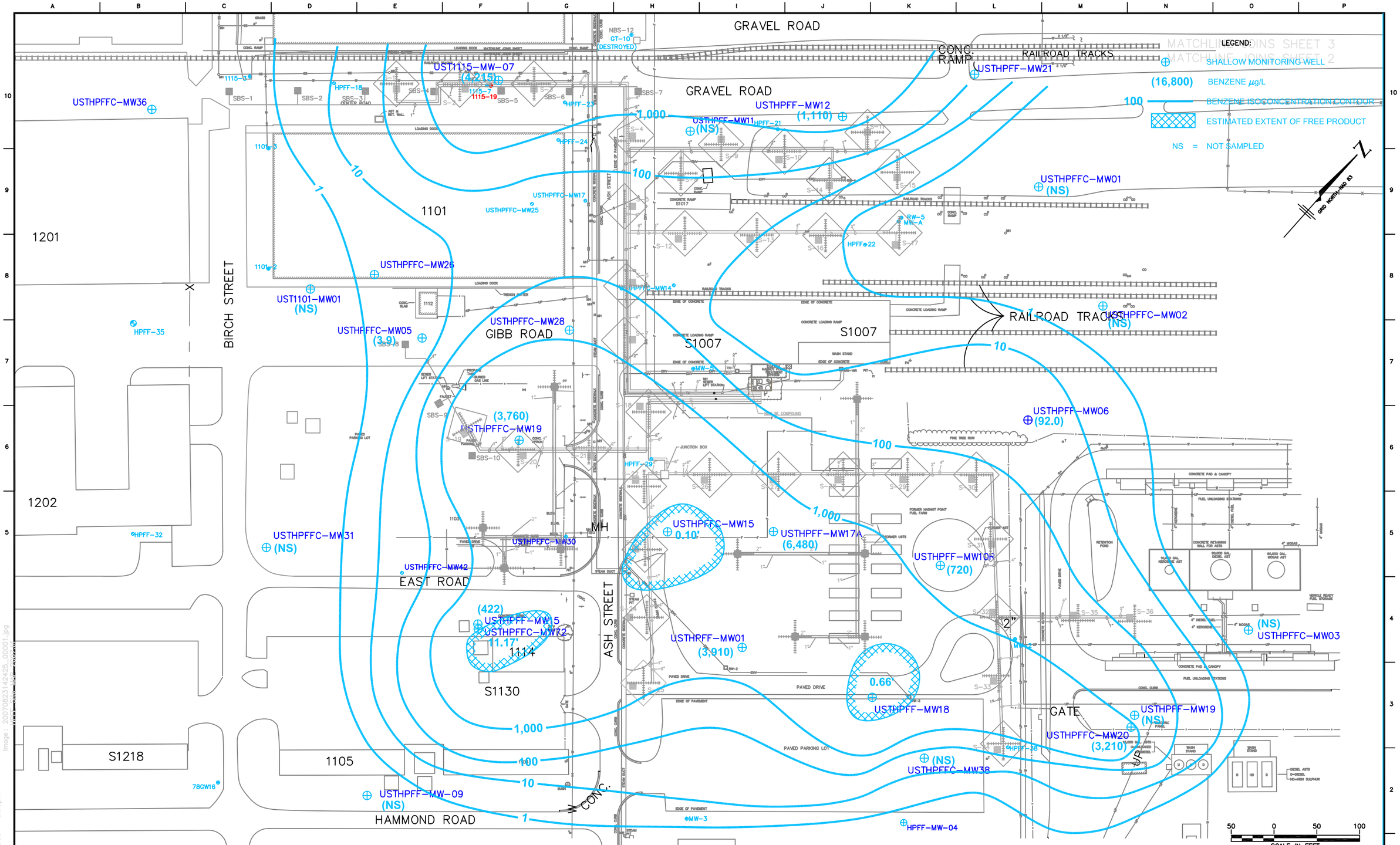


Shaw Environmental, Inc.	AT FULL SCALE (IF NOT 1"–SCALE ACCORDINGLY)	REVISIONS	DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
SUBMITTED: _____ PROJECT MANAGER: DATE: _____	CADD FILE:	ZONE / REV. / DESCRIPTION / BY / DATE / APP.	ATLANTIC DIVISION
APPROVED: _____ SR. PROJECT ENGINEER DATE: _____	DRAWN:		NAVAL STATION — NORFOLK, VIRGINIA
APPROVED: _____ DEPT. MANAGER DATE: _____	DESIGNED:		CONTRACT N62470-02-D-3260 — TASK ORDER NO. 055
	CHECKED:		PROJECT No. 117407 — MARINE CORPS, CAMP LEJEUNE, N.C.
	CHECKED:		

FIGURE 5.7
SHALLOW WELL
BENZENE ISOCONCENTRATION MAP
AUGUST, 2007
HPFF SOUTH EAST

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 04/07/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht-2-SHALL AUG-2007-FIG5-7.dwg
Plot Date/Time: May 14, 2008 - 3:34pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424 25_0000.jpg



Shaw Environmental, Inc.

SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____
APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____
APPROVED: _____ DEPT. MANAGER _____ DATE: _____

AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)
CADD FILE:
DRAWN:
DESIGNED:
CHECKED:
CHECKED:

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

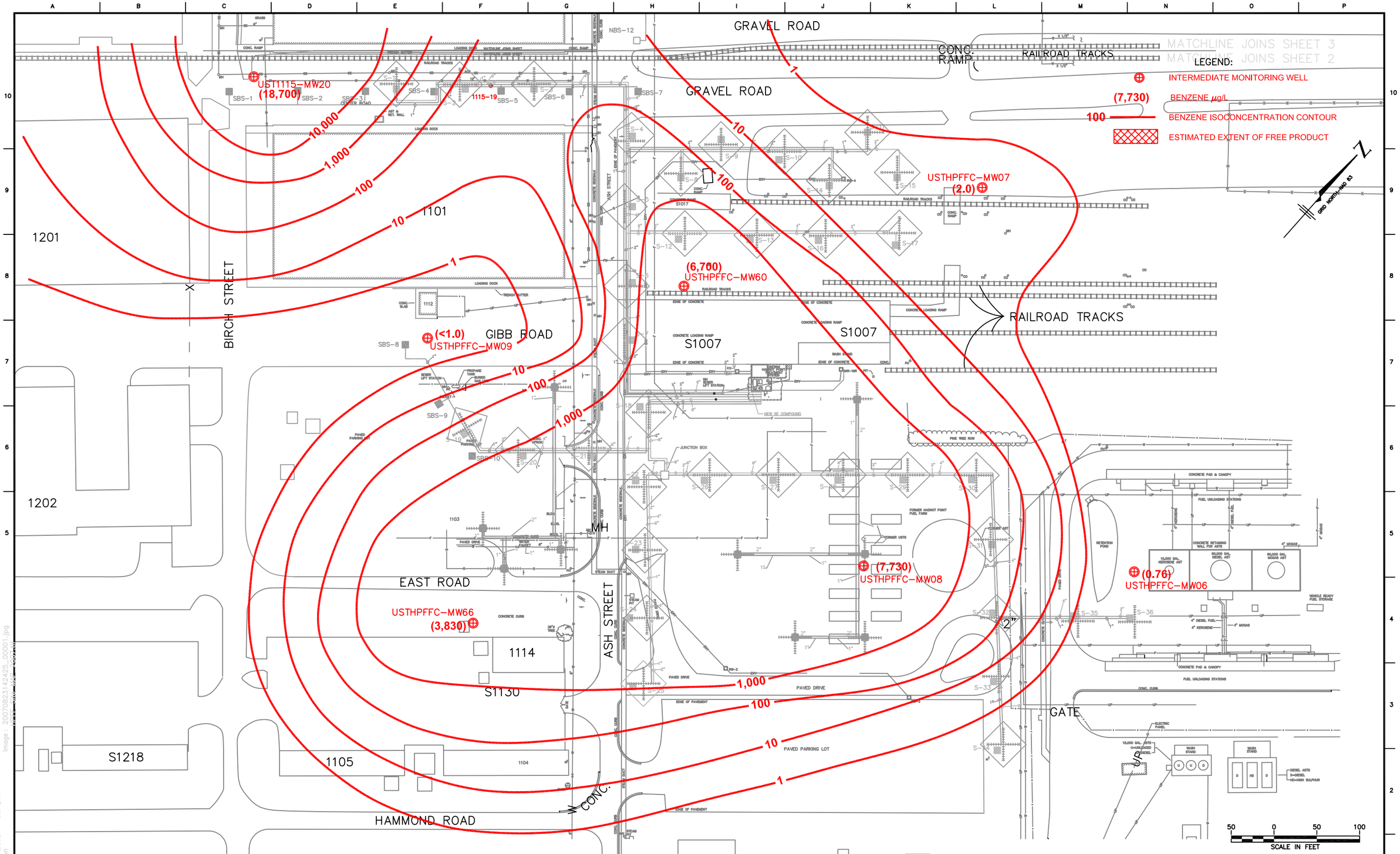
CONTRACT N62470-02-D-3260 TASK ORDER NO. 055

PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

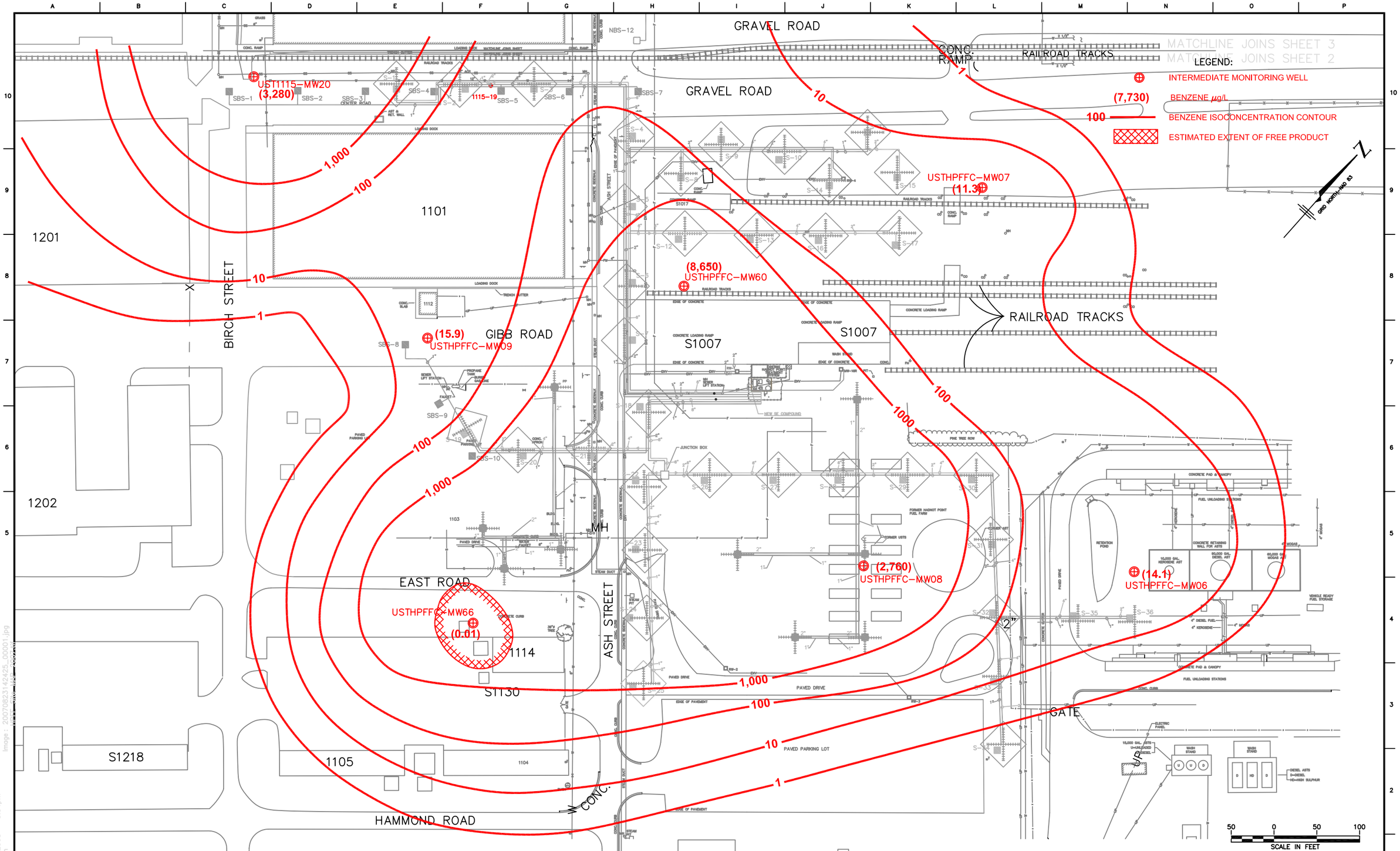
FIGURE 5.8
SHALLOW WELL
BENZENE ISOCONCENTRATION MAP
FEBRUARY, 2008
HPFF SOUTH EAST

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 04/07/08

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht-2-SHALL FEB-2008-FIG5-8.dwg
Plot Date/Time: May 14, 2008 - 3:35pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424425_00001.jpg


GRAVEL ROAD
CONC. RAMP
RAILROAD TRACKS
MATCHLINE JOINS SHEET 3
MATCHLINE JOINS SHEET 2
LEGEND:
INTERMEDIATE MONITORING WELL
(7,730) BENZENE µg/L
100 BENZENE ISOCONCENTRATION CONTOUR
ESTIMATED EXTENT OF FREE PRODUCT
GRID NORTH=NAD 83
UST1115–MW20
(18,700)
1115–19
10,000
1,000
100
10
1
1201
1101
BIRCH STREET
USTHPFFC–MW07
(2.0)
(6,700)
USTHPFFC–MW60
(<1.0)
USTHPFFC–MW09
GIBB ROAD
S1007
RAILROAD TRACKS
1202
MH
EAST ROAD
USTHPFFC–MW66
(3,830)
ASH STREET
(7,730)
USTHPFFC–MW08
(0.76)
USTHPFFC–MW06
1114
S1130
GATE
S1218
1105
1104
CONC.
HAMMOND ROAD
50 0 50 100
SCALE IN FEET

| | | |



Shaw Environmental, Inc.	AT FULL SCALE (IF NOT 1"–SCALE ACCORDINGLY)	DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND	DRAWING NUMBER:
SUBMITTED: _____ PROJECT MANAGER: DATE: _____	CADD FILE:	ATLANTIC DIVISION	
APPROVED: _____ SR. PROJECT ENGINEER DATE: _____	DRAWN:	NAVAL STATION — NORFOLK, VIRGINIA	SHEET NUMBER: of
APPROVED: _____ DEPT. MANAGER DATE: _____	DESIGNED:	CONTRACT N62470–02–D–3260 — TASK ORDER NO. 055	DATE: 04/08/08
	CHECKED:	PROJECT No. 117407 — MARINE CORPS, CAMP LEJEUNE, N.C.	
	CHECKED:	FIGURE 5.10 INTERMEDIATE WELL BENZENE ISOCONCENTRATION MAP FEBRUARY, 2008 HPFF SOUTH EAST	

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

File: L:\LEJEUNE–6–05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht–2–INT FEB–2008–FIG5–10.dwg
Plot Date/Time: May 14, 2008 – 3:34pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 200708231424 25_00001.jpg

MATCHLINE JOINS SHEET 3

MATCHLINE JOINS SHEET 2

LEGEND:

- DEEP MONITORING WELL
- (7,730) BENZENE µg/L
- 100 BENZENE ISOCONCENTRATION CONTOUR
- ESTIMATED EXTENT OF FREE PRODUCT

GRID NORTH=NAD 83

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

1201

1101

BIRCH STREET

GIBB ROAD

1202

EAST ROAD

ASH STREET

HAMMOND ROAD

1114

S1130

1105

S1218

1112

1103

1104

S1017

S1007

GATE

MH

USTHPFFC-MW59 (<1.0)

USTHPFFC-MW12 (47)

USTHPFFC-MW61 (<1.0)

IR78-GW32-2 (915)

IR78-GW32-3 (74.6)

IR78-GW17-02 (9.8)

USTHPFFC-MW10 (0.73)

USTHPFFC-MW11 (<1.0)

100

10

1

2"

SBS-1 SBS-2 SBS-3 SBS-4 SBS-5 SBS-6 SBS-7 SBS-8 SBS-9 SBS-10

NBS-12

1115-19

SCALE IN FEET: 50 0 50 100

Shaw Environmental, Inc.	AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)	REVISIONS
SUBMITTED: _____ PROJECT MANAGER: _____ DATE: _____	CADD FILE: _____	ZONE / REV. / DESCRIPTION / BY / DATE / APP.
APPROVED: _____ SR. PROJECT ENGINEER _____ DATE: _____	DRAWN: _____	
APPROVED: _____ DEPT. MANAGER _____ DATE: _____	DESIGNED: _____	
	CHECKED: _____	
	CHECKED: _____	

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION — NORFOLK, VIRGINIA

CONTRACT N62470-02-D-3260 — TASK ORDER NO. 055

PROJECT No. 117407 — MARINE CORPS, CAMP LEJEUNE, N.C.

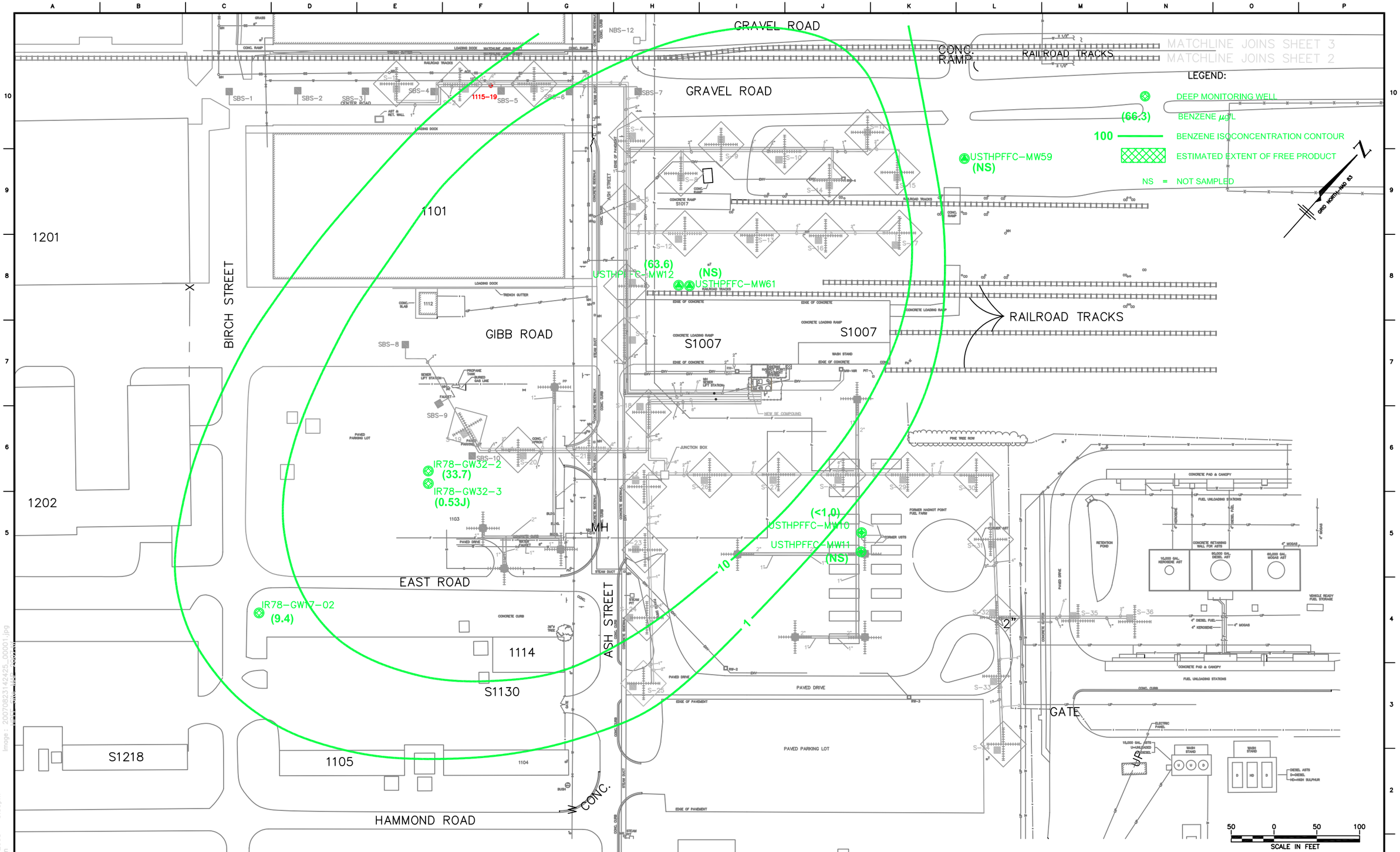
FIGURE 5.11
DEEP WELL BENZENE ISOCONCENTRATION MAP AUGUST, 2007 HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 04/08/008

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht-2-DEEP-AUG-2007-FIG5-11.dwg
Plot Date/Time: May 14, 2008 - 3:35pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg



Shaw Environmental, Inc.	AT FULL SCALE (IF NOT 1"-SCALE ACCORDINGLY)	REVISIONS						DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	DRAWING NUMBER:
SUBMITTED: PROJECT MANAGER: DATE:	CADD FILE:	ZONE	REV.	DESCRIPTION	BY	DATE	APP.	ATLANTIC DIVISION	
APPROVED: SR. PROJECT ENGINEER DATE:	DRAWN:							NAVAL STATION NORFOLK, VIRGINIA	SHEET NUMBER: of
APPROVED: DEPT. MANAGER DATE:	DESIGNED:							CONTRACT N62470-02-D-3260 TASK ORDER NO. 055	DATE: 04/09/008
	CHECKED:							PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.	
	CHECKED:							FIGURE 5.12 DEEP WELL BENZENE ISOCONCENTRATION MAP FEBRUARY, 2008 HPFF SOUTH EAST	

File: L:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2008_AMR_HPFF\BEN_ISO_sht-2-DEEP-FEB-2008-FIG5-12.dwg
Plot Date/Time: May 14, 2008 - 3:35pm
Plotted By: teresa.robinson
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg

APPENDIX A

AGGRESSIVE FLUID/VAPOR RECOVERY (AFVR) SUMMARY TABLE

Aggressive Fluid Vapor Recovery (AFVR)
Petroleum Recovery Data
Hadnot Point Fuel Farm, Southeast Compound

Month	Number of Events		Petroleum Recovery	
	HPFFC-MW15	HPFFC-MW72	Pounds	Gallons
Jun-07	0	1	101.1	16.1
Jul-07	0	1	128.7	20.5
Aug-07	0	1	117.8	18.7
Sep-07	0	1	101.7	16.2
Oct-07	0	1	93.9	14.9
Nov-07	0	1	113.4	18.0
Dec-07	0	1	107.3	17.1
Jan-08	0	0	0.0	0.0
Feb-08	0	1	38.4	6.1
Mar-08	0	1	109.4	17.4
Apr-07	0	1	146.5	23.3
Total	**0**	**10**	**1058.2**	**168.3**

APPENDIX B

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Analytical Data Summary

NW Shallow Well **MW-1115-01**

Sample ID:		UST11150199C4	UST11150100C2	UST11150101C1	UST11150101C	UST1115-01-02A	UST1115-01-02C	UST1115-01-03A	MW-1115-01-03C
Date Sampled:		01/07/99 & 01/12/99	05/30/00	01/24/01	07/29/01	02/02/02	08/05/02	02/17/03	08/20/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**310 B**	<1.0	**32**	**14**	**6.0**	<1.0	**187**	<1.0
Ethylbenzene	550	**56**	<1.0	**5.3**	**0.27 J**	<1.0	<1.0	<1.0	<1.0
Toluene	1000	**29 B**	<1.0	**0.39 J**	**1.1**	<1.0	<1.0	**1.0**	<1.0
Xylenes (total)	530	**100 B**	<1.0	**1.4**	<1.0	<3.0	<3.0	**1.6 J**	<3.0
Total BTEX		**495**		**39.09**	**15.37**	**6**		**189.6**	
PAH EPA 610									
Naphthalene	21	<2.0	<2.0	**3.9**	<2.0	<5.0	<5.1	<5.1	<5.3

Sample ID:		MW-1115-01-04A	MW-1115-01-04C	UST1115-MW01	UST1115-MW01	UST1115-MW01	UST1115-MW01	UST1115-MW01	UST1115-MW01
Date Sampled:		02/21/04	08/19/04	03/24/05	08/18/05	01/23/06	10/03/06	08/21/07	02/26/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	<1.0	**17.7**	**3.8**	<1.0	<1.0	**163**	<1.0	NS
Ethylbenzene	550	<1.0	**0.92**	<1.0	<1.0	<1.0	**30.3**	<1.0	NS
Toluene	1000	**1.0**	**4.6**	**0.71 J**	<1.0	<1.0	**43.1**	<1.0	NS
Xylenes (total)	530	<3.0	**2.9**	<3.0	<3.0	<3.0	**18.8**	<3.0	NS
Total BTEX		**1**	**26.12**	**4.51**			**255.2**		
PAH EPA 610									
Naphthalene	21	<5.1	<4.8	<4.8	<1.9	<1.9	**1.1 J**	NA	NS

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-1115-02**

Sample ID:		UST11150299C4	UST11150299C3	UST11150200C2	UST11150201C1	UST11150201C	UST1115-02-02A	UST1115-02-02C	UST1115-02-03A	MW-1115-02-03C
Date Sampled:		01/06/99	08/12/99 & 08/26/99	05/26/00	01/24/01	07/29/01	02/02/02	08/06/02	02/19/03	08/19/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**29**	**53**	<1.0	**150**	**51**	**11.9**	**9.3**	**125**	**3.1**
Ethylbenzene	550	**7.2**	**3.5**	<1.0	**16**	**0.24 J**	**0.6**	<1.0	**6.6**	<1.0
Toluene	1000	**20**	**1.9**	<1.0	**1.2 J**	**0.87 J**	<1.0	<1.0	**6.4**	<1.0
Xylenes (total)	530	**22**	**9.6**	<1.0	**4.5**	<1.0	<3.0	<3.0	**3.7 J**	<3.0
Total BTEX		**78.2**	**68**		**171.7**	**52.11**	**12.5**	**9.3**	**141.7**	**3.1**
PAH EPA 610										
Naphthalene	21	**2.4**	<2.0	<2.0	**27**	<2.0	<5.0	<5.1	**11.2**	<5.3

Sample ID:		MW-1115-02-04A	MW-1115-02-04C	UST1115-MW02	UST1115-MW02	UST1115-MW02	UST1115-MW02	UST1115-MW02	UST1115-MW02
Date Sampled:		02/25/04	08/19/04	03/22/05	08/18/05	01/20/06	10/02/06	08/23/07	02/26/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**10.9**	**24.3**	**31.1**	<1.0	**14.9**	**28.3**	<1.0	NS
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS
Toluene	1000	<1.0	**0.52 J**	**3.3**	<1.0	<1.0	<1.0	<1.0	NS
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NS
Total BTEX		**10.9**	**24.82**	**34.4**		**14.9**	**28.3**		
PAH EPA 610									
Naphthalene	21	<5.3	<4.8	<4.8	<1.9	<1.9	<1.9	NA	NS

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Analytical Data Summary
NW Shallow Well **MW-1115-04**

Sample ID:		UST11150499C4	UST11150499C3	UST11150400C2	UST11150401C1	UST11150401C	UST1115-04-02A	UST1115-04-02C	UST1115-04-03A	MW-1115-04-03C
Date Sampled:		01/07/99	08/12/99	05/26/00	01/23/01	07/27/01	02/02/02	08/07/02	02/19/03	08/19/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**190 B**	**28**	<1.0	**660**	**210**	**22.6**	**31.5**	**128**	<1.0
Ethylbenzene	550	**43**	**1.9**	<1.0	**140**	**76**	**2.1**	**2.7**	**13.7**	<1.0
Toluene	1000	**24 B**	**1**	<1.0	**7.6 J**	<10	<1.0	<1.0	**3.8**	<1.0
Xylenes (total)	530	**91 B**	**5.5**	<1.0	**66**	**65**	**1.7 J**	**3.1**	<6.0	<3.0
Total BTEX		**348**	**36.5**		**873.6**	**351**	**26.4**	**37.3**	**145.5**	
PAH EPA 610										
Naphthalene	21	**23**	<2.1	<2.0	**32**	**54**	<5.5	**7.3**	**21.2**	<5.5

Sample ID:		MW-1115-04-04A	MW-1115-04-04C	UST1115-MW04	UST1115-MW04	UST1115-MW04	UST1115-MW04	UST1115-MW04	UST1115-MW04
Date Sampled:		02/25/04	08/19/04	03/10/05	08/18/05	01/20/06	10/02/06	08/22/07	02/26/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**16.8**	**31.5**	**42.7**	**0.63 J**	**9.0**	**56.6**	<1.0	NS
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS
Toluene	1000	<1.0	**1.1**	**0.55 J**	**1.6**	<1.0	**1.1**	<1.0	NS
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NS
Total BTEX		**16.8**	**32.6**	**43.25**	**2.23**	**9.0**	**57.7**		
PAH EPA 610									
Naphthalene	21	<5.4	<4.8	<4.8	<1.9	<1.9	<1.9	NA	NS

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-1115-13**

Sample ID:		UST11151399C4	UST11151399C3	UST11151300C2	UST11151301C1	UST11151301C	UST1115-13-02A	UST1115-13-02C	UST1115-13-03A	MW-1115-13-03C
Date Sampled:		01/07/99	08/12/99	05/26/00	01/24/01	07/29/01	02/02/02	08/12/02	02/19/03	08/20/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**15000 B**	**230**	**13000**	**6400**	**2300**	**298**	**95.5**	**872**	**340**
Ethylbenzene	550	**930**	**30**	**770**	**460**	**230**	**40.9**	**40.1**	**62.2**	**72.4**
Toluene	1000	**220 JB**	**5.0**	<200	**39 J**	**8.7 J**	**2.7**	<5.0	**28.3**	<2.0
Xylenes (total)	530	**1500 B**	**56**	**910**	**210**	**56**	**16.5**	**16.8**	**21.5 J**	**16.6**
Total BTEX		**17650**	**321**	**14680**	**7109**	**2594.7**	**358.1**	**152.4**	**984**	**429**
PAH EPA 610										
Naphthalene	21	**660**	**18**	**420**	**330**	**230**	**79.4**	**197**	**152**	**155**

Sample ID:		MW-1115-13-04A	MW-1115-13-04C	UST1115-MW13	UST1115-MW13	UST1115-MW13	UST1115-MW13	UST1115-MW13	UST1115-MW13
Date Sampled:		02/24/04	08/25/04	03/22/05	08/17/05	01/23/06	10/03/06	08/24/07	02/25/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**228**	**202**	**82.1**	**61.6**	**263**	**278**	**78.5**	**40.8**
Ethylbenzene	550	**53**	**47.6**	**36.3**	**31.2**	**32**	**26.6**	**7.6**	**0.75 J**
Toluene	1000	<5.0	**11.8**	**0.67 J**	<10	**13.5**	**25.7**	**0.35 J**	**0.37 J**
Xylenes (total)	530	**11.7 J**	**16.3**	**11.8**	<30	**23.5**	**32**	**5.2**	**2.4 J**
Total BTEX		**292.7**	**277.7**	**130.87**	**92.8**	**332**	**362.3**	**91.3**	**40.8**
PAH EPA 610									
Naphthalene	21	**151**	**173**	**129**	**108**	**58.7**	**68.1**	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Analytical Data Summary

NW Shallow Well **MW-1115-17**

Sample ID:		UST11151799C4	UST11151799C3	UST11151700C2	UST11151701C1	UST11151701C	UST1115-17-02A	UST1115-17-02C	UST1115-17-03A	MW-1115-17-03C
Date Sampled:		01/07/99	08/12/99	05/26/00	01/23/01	07/27/01	02/02/02	08/07/02	02/19/03	08/19/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**9200**	**9200**	**8900**	**7900**	**7400**	**8670**	**7770**	**3490**	**84.3**
Ethylbenzene	550	**830**	**100**	**780**	**750**	**840**	**973**	**76.3**	**196**	**63.4**
Toluene	1000	**140**	**100**	<150	**56 J**	<400	<100	**10**	<50	<2.0
Xylenes (total)	530	**1700**	**100**	**880**	**400**	**670**	**1050**	**99.4**	<150	<5.0
Total BTEX		**11870**	**9500**	**10560**	**9106**	**8910**	**10693**	**7955.7**	**3686**	**147.7**
PAH EPA 610										
Naphthalene	21	**530**	**340**	**360**	**340**	**570**	**31.2**	**250**	**270**	**332**

Sample ID:		MW-1115-17-04A	MW-1115-17-04C	UST1115-MW17	UST1115-MW17	UST1115-MW17	UST1115-MW17	UST1115-MW17	UST1115-MW17
Date Sampled:		02/25/04	08/19/04	03/10/05	08/18/05	01/20/06	10/02/06	08/22/07	02/25/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**36.9**	**34.1**	**72.3**	**9.5**	**39.3**	**168**	**304**	**442**
Ethylbenzene	550	**3.5**	<2.0	<5.0	<1.0	**0.86 J**	**4.2**	**29.6**	**21.4**
Toluene	1000	**2.5**	**1.4 J**	<5.0	<1.0	**1.1**	**2.4**	<5.0	<5.0
Xylenes (total)	530	<6.0	**2.9 J**	<15	**2.4 J**	<3.0	4	7.3 J	11.4 J
Total BTEX		**42.9**	**38.4**	**72.3**	**11.9**	**41.26**	**178.6**	**333.6**	**463.4**
PAH EPA 610									
Naphthalene	21	**89.8**	**10.5**	**4.8**	**4.4**	**3.1**	**2.4**	NA	NA

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-1115-18**

Sample ID:		UST11151899C4	UST11151899C3	UST11151800C2	UST11151801C1	UST11151801C	UST1115-18-02A	UST1115-18-02C	UST1115-18-03A	MW-1115-18-03C
Date Sampled:		01/06/99	08/12/99	05/26/00	01/22/01	07/29/01	02/02/02	08/07/02	02/20/03	08/20/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**16000**	**990**	**1200**	**420**	**3.1**	**30.2**	**33.8**	NS	**215**
Ethylbenzene	550	**850**	**63**	**53**	**21**	**0.51 J**	**1.3**	**2.1**	NS	**4.1**
Toluene	1000	**2100**	**17**	<20	**2.3 J**	**2.1**	**1.2**	**1.5**	NS	**1.4 J**
Xylenes (total)	530	**1800**	**70**	<20	**6.9**	**1.4**	<3.0	**5.1**	NS	**4.6 J**
Total BTEX		**20750**	**1140**	**1253**	**450.2**	**7.11**	**32.7**	**42.5**		**225.1**
PAH EPA 610										
Naphthalene	21	**190**	<2.3	**6.7**	<2.0	<2.0	<5.0	<5.0	NS	**2.7 J**

Sample ID:		MW-1115-18-04A	MW-1115-18-04A	UST1115-MW18	UST1115-MW18	UST1115-MW18	UST1115-MW18	UST1115-MW18	UST1115-MW18
Date Sampled:		03/02/04	08/19/04	03/22/05	08/17/05	01/25/06	10/02/06	08/22/07	02/26/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**2630**	NS	**9.6 J**	NS	<1.0	NS	**5.5**	**3.1**
Ethylbenzene	550	**76.8**	NS	**4.6**	NS	<1.0	NS	<1.0	0.33 J
Toluene	1000	**5.6**	NS	**2.0**	NS	<1.0	NS	0.27 J	0.29 J
Xylenes (total)	530	**15.7**	NS	**9.6**	NS	<3.0	NS	<3.0	<3.0
Total BTEX		**2728.1**		**25.8**				**5.5**	**3.1**
PAH EPA 610									
Naphthalene	21	**19.8**	NS	<4.8	NS	<2.0	NS	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

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Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-1115-21**

Sample ID:		UST11152199C4	UST11152199C3	UST11152100C2	UST11152101C1	UST11152101C	UST1115-21-02A	UST1115-21-02C	UST1115-21-03A	MW-1115-21-03C
Date Sampled:		01/06/99	08/12/99 & 08/26/99	05/26/00	01/24/01	07/29/01	02/02/02	08/06/02	02/19/03	08/19/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**2000**	**1600**	**2200**	**1200**	**960**	**1920**	**620**	**727**	**485**
Ethylbenzene	550	<50	<20	<25	**55**	**5.2 J**	<5.0	<1.0	**11.7**	<1.0
Toluene	1000	**21 J**	<20	<25	**4.4 J**	<20	<5.0	<1.0	**7.8 J**	<1.0
Xylenes (total)	530	**27 J**	<20	<25	**21**	<20	<15	<3.0	<3.0	<3.0
Total BTEX		**2048**	**1600**	**2200**	**1280.4**	**965.2**	**1920**	**620**	**746.5**	**485**
PAH EPA 610										
Naphthalene	21	**15**	**10**	**8.6**	**18**	<2.0	**8.1**	**4.0 J**	**19.9**	**7.0**

Sample ID:		MW-1115-21-04A	MW-1115-21-04C	UST1115-MW21	UST1115-MW21	UST1115-MW21	UST1115-MW21	UST1115-MW21	UST1115-MW21
Date Sampled:		02/25/04	08/19/04	03/10/05	08/18/05	01/20/06	10/02/06	08/23/07	02/25/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**607**	**521**	**338**	**282**	**175**	**197**	**45.2**	**1.7**
Ethylbenzene	550	<5.0	<10	<1.0	<5.0	<1.0	<2.0	<1.0	0.34 J
Toluene	1000	<5.0	<10	<1.0	<5.0	<1.0	**1.1 J**	<1.0	<1.0
Xylenes (total)	530	<15	<30	<3.0	<15	<3.0	<6.0	<3.0	<3.0
Total BTEX		**607**	**521**	**338**	**282**	**175**	**198.1**	**45.2**	**1.7**
PAH EPA 610									
Naphthalene	21	**3.9 J**	**5.3**	**2.9 J**	**2.5**	**2.1**	**1.8 J**	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-1115-22**

Sample ID:		UST11152299C4	UST11152299C3	UST11152200C2	UST11152201C1	UST11152201C	UST1115-22-02A	UST1115-22-02C	UST1115-22-02C (Resample)	UST1115-22-03A
Date Sampled:		01/07/99	08/12/99 & 08/26/99	05/26/00	01/23/01	07/27/01	02/02/02	08/07/02	09/04/02	02/19/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**460**	**1100**	**900**	**940**	**700**	**1250**	<1.0	**251**	**1320**
Ethylbenzene	550	<5.0	<20	<10	**5.6 J**	<40	**3.4**	<1.0	<5.0	<20
Toluene	1000	**1.4 J**	<20	<10	**4.2 J**	<40	**3.5**	<1.0	<5.0	**21**
Xylenes (total)	530	<5.0	**29**	<10	<10	<40	<3.0	<3.0	<15	<60
Total BTEX		**461.4**	**1129**	**900**	**949.8**	**700**	**1256.9**		**251**	**1341**
PAH EPA 610										
Naphthalene	21	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.1	NA	<5.1

Sample ID:		MW-1115-22-03C	MW-1115-22-04A	MW-1115-22-04C	UST1115-MW22	UST1115-MW22	UST1115-MW22	UST1115-MW22	UST1115-MW22	UST1115-MW22
Date Sampled:		08/19/03	02/25/04	08/19/04	03/10/05	08/18/05	01/20/06	10/02/06	08/22/07	02/25/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**1930**	**2230**	**3270**	**2850**	**3380**	**1830**	**3880**	**600**	**174**
Ethylbenzene	550	**4.4**	<50	<50	<20	<50	**6.0**	<20	<10	0.59 J
Toluene	1000	<10	<50	<50	**20.3**	**32.4 J**	**16.4**	**35.7**	<10	0.65 J
Xylenes (total)	530	**1.0 J**	<150	<150	<60	<150	**14.4**	**32.6 J**	<30	<6
Total BTEX		**1935.4**	**2230**	**3270**	**2870.3**	**3412.4**	**1866.8**	**3948.3**	**600**	**174**
PAH EPA 610										
Naphthalene	21	**4.8 J**	**3.2 J**	**5.7**	**4.0 J**	**2.8**	**2.9**	**3.1**	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-1115-23**

Sample ID:		UST11152399C4	UST11152399C3	UST11152300C2	UST11152301C1	UST11152301C	UST1115-23-02A	UST1115-23-02C	UST1115-23-03A	MW-1115-23-03C
Date Sampled:		01/06/99 & 01/19/99	08/12/99	05/26/00	01/22/01	07/29/01	02/02/02	08/05/02	02/18/03	08/20/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**15000**	**5000**	**270**	**4.7 J**	**13**	**22**	**17.8**	**0.98 J**	**260**
Ethylbenzene	550	**500**	**140**	**34**	**4.9 J**	**1.1**	<5.0	**1.7**	<5.0	**5.2**
Toluene	1000	**5700**	**180**	<25	**1.1 J**	**2.8**	<5.0	**1.3**	<1.0	**2.2**
Xylenes (total)	530	**1900**	**420**	**40**	**5.6**	**2.2**	<15	**7.3**	<15	**7.6**
Total BTEX		**23100**	**5740**	**344**	**16.3**	**19.1**	**22**	**28.1**	**0.98**	**275**
PAH EPA 610										
Naphthalene	21	**11**	<2.1	<2.0	<2.0	<2.0	<5.5	<5.3	<5.1	<5.4

Sample ID:		MW-1115-23-04A	MW-1115-23-04C	UST1115-MW23	UST1115-MW23	UST1115-MW23	UST1115-MW23	UST1115-MW23	UST1115-MW23
Date Sampled:		02/21/04	08/19/04	03/24/05	08/19/05	01/23/06	10/02/06	08/22/07	02/26/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**703**	**2720**	**3120**	**5240**	**7230**	**1910**	<5.0	NS
Ethylbenzene	550	**14.8 J**	**38.6**	**54.3**	**91.7 J**	**124**	**49.6**	<5.0	NS
Toluene	1000	**98.7**	**267**	**346**	**653**	**441**	**198**	<5.0	NS
Xylenes (total)	530	**35.9 J**	**112**	**208**	**315**	**318**	**96.4**	<15	NS
Total BTEX		**852.4**	**3137.6**	**3728.3**	**6299.7**	**8113**	**2254**	**0**	
PAH EPA 610									
Naphthalene	21	<5.3	<4.8	<4.8	**1.7 J**	**2.8**	**1.0 J**	NA	NS

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-1115-24**

Sample ID:		UST11152499C4	UST11152499C3	UST11152400C2	UST11152401C1	UST11152401C	UST1115-24-02A	UST1115-24-02C	UST1115-24-03A	MW-1115-24-03C
Date Sampled:		01/06/99	08/12/99	05/26/00	01/24/01	07/29/01	02/02/02	08/06/02	02/19/03	08/19/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**1800**	**2400**	**3200**	**2700**	**2900**	**2480**	**3060**	**4120**	**3990**
Ethylbenzene	550	**22 J**	<40	<40	**49**	**13 J**	**5.2**	**1.5**	<50	<50
Toluene	1000	**55**	<40	<40	**32 J**	<50	<5.0	**0.76 J**	<50	<50
Xylenes (total)	530	**64**	<40	<40	**89**	<50	<15	**1.0 J**	<150	<150
Total BTEX		**1941**	**2400**	**3200**	**2870**	**2913**	**2485.2**	**3063.26**	**4120**	**3990**
PAH EPA 610										
Naphthalene	21	**9.7**	<2.0	**6.1**	**30**	<2.0	<5.0	<5.0	**23.6**	**6.7**

Sample ID:		MW-1115-24-04A	MW-1115-24-04C	UST1115-MW24	UST1115-MW24	UST1115-MW24	UST1115-MW24	UST1115-MW24	UST1115-MW24
Date Sampled:		02/25/04	08/19/04	03/10/05	08/18/05	01/20/06	10/02/06	08/23/07	02/25/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**4100**	**3630**	**1030**	**3120**	**1750**	**2250**	**4.4**	**1.4**
Ethylbenzene	550	<50	<50	<20	<50	<1.0	<50	<1.0	0.36 J
Toluene	1000	<50	<50	**23.2**	<50	**0.69 J**	<50	<1.0	<1.0
Xylenes (total)	530	<150	<150	<60	<150	<3.0	<150	<3.0	<3.0
Total BTEX		**4100**	**3630**	**1053.2**	**3120**	**1750.69**	**2250**	**4.4**	**1.4**
PAH EPA 610									
Naphthalene	21	**4.2 J**	**3.0 J**	<4.8	<1.9	<1.9	<1.9	NA	NA

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-1115-25**

Sample ID:		UST11152599C4	UST11152599C3	UST11152500C2	UST11152501C1	UST11152501C	UST1115-25-02A	UST1115-25-02C	UST1115-25-02C (Resample)	UST1115-25-03A
Date Sampled:		01/07/99	08/12/99	05/26/00	01/24/01	07/29/01	02/02/02	08/12/02	09/04/02	02/19/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**63 B**	**240**	**650**	**1100**	**29**	**3.1**	**1850**	**1660**	**2840**
Ethylbenzene	550	**20**	**39**	**29**	**53**	**15**	**0.57 J**	<20	<20	<50
Toluene	1000	**13 B**	**6.4**	<10	**15**	**3.1**	<1.0	**37.1**	**47.9**	**150**
Xylenes (total)	530	**44 B**	**73**	**32**	**33**	**7.9**	<3.0	<60	<60	<150
Total BTEX		**140**	**358.4**	**711**	**1201**	**55**	**3.67**	**1887.1**	**1707.9**	**2990**
PAH EPA 610										
Naphthalene	21	**16**	<2.1	**10**	**30**	**11**	<5.0	<5.2	NA	**10**

Sample ID:		MW-1115-25-03C	MW-1115-25-04A	MW-1115-25-04C	UST1115-MW25	UST1115-MW25	UST1115-MW25	UST1115-MW25	UST1115-MW25	UST1115-MW25
Date Sampled:		08/22/03	02/24/04	08/25/04	03/22/05	08/17/05	01/23/06	10/03/06	08/24/07	02/25/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**3000**	**3580**	**5960**	**5170**	**4990**	**5000**	**5160**	0.83 J	**3.9**
Ethylbenzene	550	**8.2**	<50	**40.4 J**	**47.3 J**	**58.3**	**61.7 J**	**54.6 J**	<1.0	0.61 J
Toluene	1000	**292**	**362**	**650**	**418**	**678**	**225**	**285**	<1.0	<1.0
Xylenes (total)	530	**15.3**	**63.2 J**	**120 J**	**157**	**216**	**256 J**	**174 J**	0.65 J	<3.0
Total BTEX		**3615.5**	**4005.2**	**6770.4**	**5792.3**	**5942.3**	**5542.7**	**5673.6**	0	**3.9**
PAH EPA 610										
Naphthalene	21	<5.2	<5.0	<4.8	**3.3 J**	**1.1 J**	<1.9	<1.9	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary
NW Shallow Well **78GW22-2**

Sample ID:		UST111522-299C4	UST111522-299C3	UST111522-200C2	UST111522-201C1	UST111522-201C	UST1115-22-2-02A	UST1115-22-2-02C	UST1115-22-2-03A	78GW22-2-03C
Date Sampled:		01/06/99 & 01/19/99	08/12/99	05/26/00	01/22/01	07/27/01	02/02/02	08/05/02	02/17/03	08/20/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**320**	**69**	**28**	**50**	**3.2**	**22.8**	**28.3**	**41.1**	**17.2**
Ethylbenzene	550	**44**	**3.5**	<1.0	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	**160**	**3.6**	**1.4**	**0.37 J**	<1.0	<1.0	<1.0	**0.65 J**	<1.0
Xylenes (total)	530	**130**	**9.3**	**1.1**	**0.82 J**	<1.0	<3.0	<3.0	<3.0	<3.0
Total BTEX		**654**	**85.4**	**30.5**	**53.59**	**3.2**	**22.8**	**28.3**	**41.75**	**17.2**
PAH EPA 610										
Naphthalene	21	**11**	NS	<2.0	<2.0	<2.0	<5.0	<5.2	<5.1	<5.2

Sample ID:		78GW22-2-04A	78GW22-2-04C	IR78-GW22-2	IR78-GW22-2	IR78-GW22-2	IR78-GW22-2	IR78-GW22-2	IR78-GW22-2
Date Sampled:		02/21/04	08/19/04	03/24/05	08/18/05	01/23/06	10/02/06	08/22/07	02/25/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**6.6**	**6.4**	**78.5**	**4.7**	**95.4**	**98.3**	NS	NS
Ethylbenzene	550	<1.0	<1.0	**1.4**	<1.0	**3.7**	**6.3**	NS	NS
Toluene	1000	<1.0	<1.0	**12.6**	<1.0	**17.3**	**18.1**	NS	NS
Xylenes (total)	530	<3.0	<3.0	**6.3**	<3.0	**10.7**	**12.9**	NS	NS
Total BTEX		**6.6**	**6.4**	**98.8**	**4.7**	**127.1**	**135.6**	NS	NS
PAH EPA 610									
Naphthalene	21	<5.4	<4.8	<4.8	<1.9	<1.9	<1.9	NS	NS

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Analytical Data Summary

NW Shallow Well **MW-GT-1**

Sample ID:		UST1115T199C4	UST1115T199C3	UST1115T100C2	UST1115T101C1	UST1115T101C	UST1115-T1-02A	UST1115-T1-02C	UST1115-T1-03A	MW-GT-1-03C
Date Sampled:		01/07/99	08/12/99	05/26/00	01/24/01	07/29/01	02/02/02	08/05/02	02/18/03	08/22/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**310 B**	**8300**	**13**	**25**	**12**	**4.0**	**0.88 J**	**80**	<1.0
Ethylbenzene	550	**56**	**730**	**8.7**	**7**	**10**	**3.0**	**1.9**	**41**	<1.0
Toluene	1000	**19 B**	**130**	**7.5**	**1.3**	**1.3**	<1.0	<1.0	**557**	<1.0
Xylenes (total)	530	**86 B**	**1400**	**32**	**7.8**	**14**	**1.4 J**	<3.0	**201**	<3.0
Total BTEX		**471**	**10560**	**61.2**	**41.1**	**37.3**	**8.4**	**2.78**	**879**	
PAH EPA 610										
Naphthalene	21		**13**	<2.0	<2.0	**2.3**	<5.0	<5.2	**6.6**	<5.4

Sample ID:		UST1115-T1-04A	UST1115-T1-04C	UST1115GT-MW01	UST1115GT-MW01	UST1115GT-MW01	UST1115GT-MW01	UST1115GT-MW01	UST1115GT-MW01
Date Sampled:		02/21/04	08/25/04	03/24/05	08/17/05	01/23/06	10/03/06	08/24/07	02/25/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**29.7**	**44.7**	**35.8**	**268**	**1100**	**2720**	<1.0	NS
Ethylbenzene	550	**10.5**	**5.5**	**6.8**	**6.8**	**110**	**478**	<1.0	NS
Toluene	1000	**2.7**	**8.6**	**1.8**	**2.7 J**	**19**	**480**	<1.0	NS
Xylenes (total)	530	**8.3**	**4.4**	**3.7**	<15	**86.3**	**189**	<3.0	NS
Total BTEX		**51.2**	**63.2**	**48.1**	**277.5**	**1315.3**	**3867**	**0**	NS
PAH EPA 610									
Naphthalene	21	<5.4	**10.7**	<4.8	**6.5**	**3.2**	**3.7**	**NA**	NS

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-GT-7**

Sample ID:		UST1115-T7-02C	UST1115-T7-03A	MW-GT-7-03C	MW-GT-7-04A	MW-GT-7-04C	UST1115GT-MW07
Date Sampled:		08/12/02	02/17/03	08/20/03	02/21/04	08/19/04	03/24/05
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602							
Benzene	1	**2.9**	**205**	**235**	**0.74 J**	**37.9**	**11**
Ethylbenzene	550	**1.6**	<1.0	**0.63 J**	<1.0	**1.5**	<1.0
Toluene	1000	<1.0	<1.0	**0.65 J**	**0.78 J**	**8.20**	**2.2**
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	**4.4**	**1.2 J**
Total BTEX		**4.5**	**205**	**236.28**	**1.52**	**52**	**14.4**
PAH EPA 610							
Naphthalene	21	**8.9**	<5.4	<5.0	<5.3	<4.8	<4.8

Sample ID:		UST1115GT-MW07	UST1115GT-MW07	UST1115GT-MW07	UST1115GT-MW07	UST1115GT-MW07
Date Sampled:		08/17/05	01/25/06	10/09/06	08/21/07	02/26/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602						
Benzene	1	**22.7**	**421**	**220**	**0.65 J**	**71**
Ethylbenzene	550	<1.0	**1.3**	**2.1**	**0.35 J**	**0.89 J**
Toluene	1000	<1.0	**2.60**	<1.0	**0.95 J**	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	**1.7 J**	<3.0
Total BTEX		**22.7**	**424.9**	**222.1**	**3.65**	**71**
PAH EPA 610						
Naphthalene	21	<1.9	<1.9	<1.9	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

NW Shallow Well **MW-GT-9**

Sample ID:		UST1115-T9-02C	UST1115-T9-03A	MW-GT-9-03C	MW-GT-9-04A	MW-GT-9-04C	UST1115GT-MW09
Date Sampled:		08/07/02	02/21/03	08/20/03	02/24/04	08/27/04	03/22/05
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602							
Benzene	1	**0.92 J**	**21.1**	<1.0	<1.0	**3.2**	<1.0
Ethylbenzene	550	<1.0	**2.0**	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	**2.5**	<1.0	<1.0	**0.76 J**	<1.0
Xylenes (total)	530	<3.0	**1.3 J**	<3.0	<3.0	<3.0	<3.0
Total BTEX		**0.92**	**26.9**			**3.96**	
PAH EPA 610							
Naphthalene	21	<5.0	**4.5 J**	<5.3	<5.6	<4.8	<4.8

Sample ID:		UST1115GT-MW09	UST1115GT-MW09	UST1115GT-MW09	UST1115GT-MW09	UST1115GT-MW09
Date Sampled:		08/17/05	01/23/06	10/02/06	08/22/07	02/26/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602						
Benzene	1	<1.0	**154**	**9.7**	**21.4**	**2.3**
Ethylbenzene	550	<1.0	**4.7**	**1.2**	<1.0	0.21 J
Toluene	1000	<1.0	**22.3**	**2.2**	<1.0	<1.0
Xylenes (total)	530	<3.0	**13.5**	**1.8 J**	<3.0	<3.0
Total BTEX			**194.5**	**14.9**	**21.4**	**2.3**
PAH EPA 610						
Naphthalene	21	<1.9	<1.9	<1.9	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank
NS= not sampled

Printed: 6/18/2008
Samples analyzed by STL or Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Analytical Data Summary

SE Shallow Well **MW-1**

Sample ID:		CLJ-0011-005-MW-1	CLJ-0011-022-MW-1	CLJ-0011-039-MW-1	CLJ-0011-60	HPFF-MW01-01C	HPFF-MW01-02A	HPFF-MW01-02C	HPFF-MW01-03A	MW-1-03C
Date Sampled:		01/27/99	10/18/99	07/26/00	01/31/01	07/22/01	02/09/02	08/13/02	02/17/03	08/27/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**16000**	**9400**	**11000**	**8300**	**7700**	**3280**	**5710**	**5380**	**6670**
Ethylbenzene	550	**6100**	**2400**	**4500**	**2700**	**2600**	**1460**	**4720**	**2280**	**3950**
Toluene	1000	**41000**	**24000**	**29000**	**25000**	**25000**	**14100**	**22200**	**22000**	**26200**
Xylenes (total)	530	**26000**	**10000**	**17000**	**12000**	**11000**	**7370**	**19700**	**11600**	**17200**
Total BTEX		**89100**	**45800**	**61500**	**48000**	**46300**	**26210**	**52330**	**41260**	**54020**
PAH EPA 610										
Naphthalene	21	**760**	**410**	**280**	**450**	**330**	**584**	**358**	**415**	**417**

Sample ID:		MW-1-04A	MW-1-04C	USTHPFF-MW01	USTHPFF-MW01	USTHPFF-MW01	USTHPFF-MW01	USTHPFF-MW01	USTHPFF-MW01
Date Sampled:		02/14/04	08/20/04	04/13/05	08/31/05	01/23/06	10/06/06	08/15/07	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**4970**	**3180**	**4480**	**4140**	**2860**	**2790**	**4530**	**3910**
Ethylbenzene	550	**3580**	**2620**	**3670**	**3850**	**2850**	**1980**	**2270**	**2860**
Toluene	1000	**25500**	**20700**	**22200**	**24400**	**20300**	**15000**	**22200**	**19500**
Xylenes (total)	530	**16500**	**12300**	**15300**	**17200**	**13100**	**9330**	**13300**	**13200**
Total BTEX		**50550**	**38800**	**45650**	**49590**	**39110**	**29100**	**42300**	**39470**
PAH EPA 610									
Naphthalene	21	**473**	**586**	**355**	**542**	**404**	**364**	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **MW-10R**

Sample ID:		CLJ-0011-012-MW-10R	CLJ-0011-029-MW-10R	CLJ-0011-046-MW-10R	CLJ-0011-68	HPFF-MW10R-01C	HPFF-MW10R-02A	HPFF-MW10R-02C	HPFF-MW10R-03A	MW-10R-03C
Date Sampled:		01/28/99	10/18/99	07/24/00	01/31/01	07/22/01	02/09/02	08/13/02	02/17/03	08/27/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**5200**	**2200**	**3300**	**5200**	**5800**	**4410**	**3780**	**2340**	**2830**
Ethylbenzene	550	**1900**	**610**	**770**	**1100**	**1200**	**1120**	**946**	**352**	**843**
Toluene	1000	**15000**	**7500**	**7900**	**5900**	**5800**	**5530**	**5790**	**2380**	**5070**
Xylenes (total)	530	**8300**	**5000**	**3300**	**5300**	**6100**	**6040**	**6190**	**2260**	**4830**
Total BTEX		**30400**	**15310**	**15270**	**17500**	**18900**	**17100**	**16706**	**7332**	**13573**
PAH EPA 610										
Naphthalene	21	**880**	**400**	**150**	**210**	**180**	**286**	**229**	**55.5**	**212**

Sample ID:		MW-10R-04A	MW-10R-04C	USTHPFF-MW10R	USTHPFF-MW10R	USTHPFF-MW10R	USTHPFF-MW10R	USTHPFF-MW10R	USTHPFF-MW10R
Date Sampled:		02/14/04	09/08/04	04/13/05	08/27/05	01/24/06	10/04/06	08/21/07	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**197**	**480**	**487**	**1060**	**1770**	**1280**	**1240**	**720**
Ethylbenzene	550	**175**	**602**	**108**	**319**	**631**	**650**	**307**	**494**
Toluene	1000	**650**	**2210**	**288**	**929**	**2190**	**1990**	**828**	**1420**
Xylenes (total)	530	**861**	**2590**	**524**	**1510**	**2940**	**2900**	**1320**	**2520**
Total BTEX		**1883**	**5882**	**1407**	**3818**	**7531**	**6820**	**3695**	**5154**
PAH EPA 610									
Naphthalene	21	**50.9**	**178**	**34.5**	**53.6**	**99.6**	**132**	NA	NA

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **MW-11**

Sample ID:		CLJ-0011-002-MW-1	CLJ-0011-019-MW-1	CLJ-0011-036-MW-1	CLJ-0011-59	HPFF-MW11-02A	HPFF-MW11-02C	HPFF-MW11-03A	MW-11-03C
Date Sampled:		01/27/99	10/18/99	07/26/00	02/01/01	02/09/02	08/13/02	02/18/03	08/22/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**1.2**	**40**	**2500**	**480**	**64.4**	**26.2**	**274**	**957**
Ethylbenzene	550	<1.0	**16**	**430**	**140**	**11**	**9.5**	**98.3**	**19.5**
Toluene	1000	<1.0	**140**	**4300**	**450**	**71**	**87.1**	**1160**	**319**
Xylenes (total)	530	<1.0	**94**	**3000**	**580**	**31**	**28**	**501**	**378**
Total BTEX		**1.2**	**290**	**10230**	**1650**	**177.4**	**150.8**	**2033.3**	**1673.5**
PAH EPA 610									
Naphthalene	21	<2.0	**2.4**	<2.0	<2.0	<5.0	<5.2	**7.5**	<5.4

Sample ID:		MW-11-04A	MW-11-04C	USTHPFF-MW11	USTHPFF-MW11	USTHPFF-MW11	USTHPFF-MW11	USTHPFF-MW11	USTHPFF-MW11
Date Sampled:		02/14/04	08/27/04	04/05/05	08/27/05	01/25/06	10/09/06	08/27/05	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**6.5**	NS	**5.2**	**1.3**	**53.6**	**3.7**	<1.0	NS
Ethylbenzene	550	**1.1**	NS	<1.0	<1.0	**2.2**	<1.0	<1.0	NS
Toluene	1000	<1.0	NS	<1.0	<1.0	**32.6**	**0.95 J**	<1.0	NS
Xylenes (total)	530	**1.2 J**	NS	<3.0	<3.0	**288**	**36**	<3.0	NS
Total BTEX		**8.8**		**5.2**	**1.3**	**376.4**	**40.65**	**0**	NS
PAH EPA 610									
Naphthalene	21	<5.7	NS	<4.8	<1.9	<2.1	<1.9	NA	NS

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **MW-17A**

Sample ID:		CLJ-0011-010-MW-17A	CLJ-0011-027-MW-17A	CLJ-0011-044-MW-17A	CLJ-0011-66	HPFF-MW17-01C	HPFF-MW17-02A	HPFF-MW17-02C	HPFF-MW17-03A	MW-17A-03C
Date Sampled:		01/28/99	10/18/99	07/24/00	01/31/01	07/22/01	02/09/02	08/13/02	02/21/03	08/25/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**7700**	**5400**	**6700**	**16000**	**12000**	**12200**	**6140**	**5720**	**6830**
Ethylbenzene	550	**23000**	**2400**	**2500**	**620**	<1000	**675**	**2910**	**3260**	**3860**
Toluene	1000	**46000**	**25000**	**25000**	**13000**	**7500**	**14000**	**27200**	**22800**	**27200**
Xylenes (total)	530	**84000**	**9800**	**10000**	**4200**	**2600**	**4100**	**9950**	**11300**	**13900**
Total BTEX		**160700**	**42600**	**44200**	**33820**	**22100**	**30975**	**46200**	**43080**	**51790**
PAH EPA 610										
Naphthalene	21	**1300**	**420**	**420**	**230**	**130**	**258**	**364**	**415**	**415**

Sample ID:		MW-17A-04A	MW-17A-04C	USTHPFF-MW17A	USTHPFF-MW17A	USTHPFF-MW17A	USTHPFF-MW17A	USTHPFF-MW17A	USTHPFF-MW17A
Date Sampled:		02/20/04	09/13/04	04/13/05	08/31/05	01/24/06	10/06/06	08/16/07	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**5520**	**4910**	**6500**	**7380**	**5630**	**4480**	**7240**	**6480**
Ethylbenzene	550	**2690**	**2070**	**3300**	**3270**	**2260**	**2240**	**2740**	**2720**
Toluene	1000	**24800**	**20000**	**22300**	**26200**	**22800**	**16400**	**26600**	**25200**
Xylenes (total)	530	**10200**	**7990**	**12000**	**12300**	**9200**	**8280**	**7780**	**9420**
Total BTEX		**43210**	**34970**	**44100**	**49150**	**39890**	**31400**	**44360**	**43820**
PAH EPA 610									
Naphthalene	21	**432**	**402**	**419**	**373**	**302**	**372**	NA	NA

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **MW-18**

Sample ID:		CLJ-0011-006-MW-18	CLJ-0011-023-MW-18	CLJ-0011-040-MW-18	CLJ-0011-62	HPFF-MW18-01C	HPFF-MW18-02A	HPFF-MW18-02C	HPFF-MW18-03A	MW-18-03C
Date Sampled:		01/28/99	10/18/99	07/26/00	01/31/01	07/22/01	02/09/02	08/14/02	02/18/03	08/27/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**28000**	**15000**	**16000**	**12000**	**11000**	**18900**	**18200**	**16900**	**5440**
Ethylbenzene	550	**12000**	**1400**	**1400**	**1300**	**1100**	**1830**	**1520**	**1370**	**1930**
Toluene	1000	**65000**	**25000**	**29000**	**24000**	**22000**	**36100**	**30300**	**30000**	**15100**
Xylenes (total)	530	**46000**	**7300**	**8000**	**8000**	**7400**	**10700**	**8790**	**7670**	**11700**
Total BTEX		**151000**	**48700**	**54400**	**45300**	**41500**	**67530**	**58810**	**55940**	**34170**
PAH EPA 610										
Naphthalene	21	**1300**	**460**	**330**	**550**	**410**	**685**	**519**	**464**	**768**

Sample ID:		MW-18-04A	MW-18-04C	USTHPFF-MW18	USTHPFF-MW18	USTHPFF-MW18	USTHPFF-MW18	USTHPFF-MW18	USTHPFF-MW18
Date Sampled:		02/14/04	08/20/04	04/13/05	08/31/05	01/23/06	10/06/06	08/15/07	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**12900**	**7040**	**12800**	**12300**	**12400**	**10300**	**15400**	FP
Ethylbenzene	550	**1800**	**1950**	**1870**	**1680**	**1220**	**1090**	**1180**	FP
Toluene	1000	**27100**	**17800**	**27800**	**28400**	**26100**	**20400**	**29500**	FP
Xylenes (total)	530	**11000**	**13700**	**11100**	**10600**	**8650**	**6840**	**7940**	FP
Total BTEX		**52800**	**40490**	**53570**	**52980**	**48370**	**38630**	**54020**	FP
PAH EPA 610									
Naphthalene	21	**658**	**700**	**562**	**487**	**473**	**465**	NA	FP

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFF-1**

Sample ID:		CLJ-0011-004-HPFF-1	CLJ-0011-021-HPFF-1	CLJ-0011-038-HPFF-1	CLJ-0011-56	HPFF-HPFF01-02C	HPFF-HPFF01-03A	HPFF-1-03C	HPFF-1-04A
Date Sampled:		01/27/99	10/18/99	07/20/00	02/01/01	08/13/02	02/21/03	08/22/03	02/13/04
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	<1.0	**5.4**	**2.2**	**42**	<1.0	**32.3**	<1.0	<1.0
Ethylbenzene	550	<1.0	**13**	**3.5**	**16**	<1.0	**2.4**	<1.0	<1.0
Toluene	1000	<1.0	**42**	**13**	**120**	<1.0	**4.5**	<1.0	<1.0
Xylenes (total)	530	<1.0	**40**	**14**	**81**	<3.0	**2.4 J**	<3.0	<3.0
Total BTEX			**100.4**	**32.7**	**259**		**41.6**		
PAH EPA 610									
Naphthalene	21	<2.0	<2.0	<2.0	**2.3**	<5.2	**6.1**	<5.2	<5.3

Sample ID:		HPFF-1-04C	USTHPFFC-MW01	USTHPFFC-MW01	USTHPFFC-MW01	USTHPFFC-MW01	USTHPFFC-MW01	USTHPFFC-MW01
Date Sampled:		08/27/04	04/05/05	08/20/05	01/24/06	10/04/06	08/23/07	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602								
Benzene	1	**3.8**	<1.0	<1.0	<1.0	**26.3**	<1.0	NS
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	**4.8**	<1.0	NS
Toluene	1000	**0.88 J**	<1.0	<1.0	<1.0	**6.6**	<1.0	NS
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	**4.0**	<3.0	NS
Total BTEX		**4.68**				**41.7**		NS
PAH EPA 610								
Naphthalene	21	<4.8	<4.8	<1.9	<2.0	<1.9	NA	NS

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFF-5**

Sample ID:		HPFF-HPFF05-02C	HPFF-HPFF05-03A	HPFF-5-03C	HPFF-5-04A	HPFF-5-04C	USTHPFFC-MW05
Date Sampled:		08/14/02	02/21/03	08/25/03	02/13/04	08/27/04	04/05/05
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602							
Benzene	1	**0.7 J**	**674**	**44.2**	**8.4**	**4.1**	<1.0
Ethylbenzene	550	**0.53 J**	**33.6**	**5.2**	<1.0	<1.0	<1.0
Toluene	1000	<1.0	**4.6**	**13.4**	<1.0	**0.92 J**	<1.0
Xylenes (total)	530	**4.6**	**9.9**	**7.4**	<3.0	<3.0	<3.0
Total BTEX		**5.83**	**722.1**	**70.2**	**8.4**	**5.02**	
PAH EPA 610							
Naphthalene	21	<5.1	**6.4**	<5.3	<5.3	<4.8	<4.8

Sample ID:		USTHPFFC-MW05	USTHPFFC-MW05	USTHPFFC-MW05	USTHPFFC-MW05	USTHPFFC-MW05
Date Sampled:		08/22/05	01/24/06	10/06/06	08/16/07	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602						
Benzene	1	<1.0	<1.0	**156**	<1.0	**3.9**
Ethylbenzene	550	<1.0	<1.0	**50.4**	<1.0	**2.3**
Toluene	1000	<1.0	<1.0	**485**	0.66 J	**4.5**
Xylenes (total)	530	<3.0	<3.0	**217**	<3.0	**12.4**
Total BTEX				**908.4**		**23.1**
PAH EPA 610						
Naphthalene	21	<1.9	<1.9	**10**	NA	**NA**

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFF-7**

Sample ID:		CLJ-0011-003-HPFF-7	CLJ-0011-020-HPFF-7	CLJ-0011-037-HPFF-7	CLJ-0011-55	HPFF-HPFF07-01C	HPFF-HPFF07-02A	HPFF-HPFF07-02C	HPFF-HPFF07-03A	HPFF-7-03C
Date Sampled:		01/27/99	10/18/99	07/20/00	02/01/01	07/22/01	02/09/02	08/12/02	02/21/03	08/22/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**79**	**63**	**23**	**13**	**4.2**	**24.9**	**1.6**	**9.5**	**0.79 J**
Ethylbenzene	550	**100**	**91**	**58**	**28**	**27**	**15.5**	**7.4**	**5.4**	**1.1**
Toluene	1000	**10**	**41**	**2.7**	**26**	<1.0	**36.4**	<1.0	**1.8**	<1.0
Xylenes (total)	530	**36**	**41**	**4.4**	**28**	<1.0	**15**	<3.0	**1.2 J**	<3.0
Total BTEX		**225**	**236**	**88.1**	**95**	**31.2**	**91.8**	**9**	**17.9**	**1.89**
PAH EPA 610										
Naphthalene	21	**3.5**	**6.6**	<2.0	**1.5 J**	<2.0	<5.0	**11**	**3.2 J**	<5.8

Sample ID:		HPFF-7-04A	HPFF-7-04C	USTHPFFC-MW07	USTHPFFC-MW07	USTHPFFC-MW07	USTHPFFC-MW07	USTHPFFC-MW07	USTHPFFC-MW07
Date Sampled:		02/13/04	08/27/04	04/05/05	08/20/05	01/24/06	10/04/06	08/23/07	02/26/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	<1.0	**1.5**	<1.0	<1.0	<1.0	**4.7**	**2**	**11.3**
Ethylbenzene	550	<1.0	**0.9 J**	**0.56 J**	<1.0	<1.0	**2.1**	<1.0	**2.6**
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	**1.8**	<1.0	**19.3**
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	**1.2 J**	<3.0	**7.7**
Total BTEX			**2.4**	**0.56**			**9.8**	**2**	**40.9**
PAH EPA 610									
Naphthalene	21	<5.1	<4.8	<4.8	<1.9	<1.9	<1.9	NA	NA

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFF-8**

Sample ID:		CLJ-0011-011-HPFF-8	CLJ-0011-028-HPFF-8	CLJ-0011-045-HPFF-8	CLJ-0011-67	HPFF-HPFF8-01C	HPFF-HPFF8-02A	HPFF-HPFF8-02C	HPFF-HPFF8-03A	HPFF-8-03C
Date Sampled:		01/28/99	10/18/99	07/24/00	01/31/01	07/22/01	02/09/02	08/13/02	02/21/03	08/25/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**1300**	**8000**	**7100**	**7700**	**10000**	**12300**	**14600**	**10900**	**7420**
Ethylbenzene	550	<50	**730**	**480**	**540**	**590**	**714**	**903**	**878**	**740**
Toluene	1000	**170**	**1900**	**720**	**1100**	**1900**	**725**	**1190**	**2150**	**1690**
Xylenes (total)	530	**160**	**1800**	**980**	**1100**	**1700**	**882**	**2020**	**2610**	**2130**
Total BTEX		**1630**	**12430**	**9280**	**10440**	**14190**	**14621**	**18713**	**16538**	**11980**
PAH EPA 610										
Naphthalene	21	<2.0	**140**	**110**	**130**	**130**	**10**	**161**	**173**	**184**

Sample ID:		HPFF-8-04A	HPFF-8-04C	USTHPFFC-MW08	USTHPFFC-MW08	USTHPFFC-MW08	USTHPFFC-MW08	USTHPFFC-MW08	USTHPFFC-MW08
Date Sampled:		02/20/04	08/31/04	04/13/05	08/31/05	01/24/06	10/06/06	08/15/07	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**10200**	**11500**	**10600**	**7710**	**7480**	**4940**	**7730**	**2760**
Ethylbenzene	550	**609**	**627**	**859**	**349**	**331**	**303**	**323**	**163**
Toluene	1000	**1230**	**1540**	**1680**	**145**	**327**	**765**	**324**	**134**
Xylenes (total)	530	**1530**	**2130**	**2750**	**801**	**617**	**695**	**979**	**455**
Total BTEX		**13569**	**15797**	**15889**	**9005**	**8755**	**6703**	**9356**	**3512**
PAH EPA 610									
Naphthalene	21	**184**	**171**	**165**	**80.9**	**87.7**	**95.7**	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFF-9**

Sample ID:		HPFF-HPFF09-02C	HPFF-HPFF09-03A	HPFF-9-03C	HPFF-9-04A	HPFF-9-04C	USTHPFFC-MW09
Date Sampled:		08/14/02	02/21/03	08/22/03	02/13/04	08/27/04	04/05/05
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602							
Benzene	1	**10800**	**22600**	**4090**	**727**	**0.88 J**	**0.76 J**
Ethylbenzene	550	**621**	**363**	**96.4**	**23.2**	<1.0	**0.57 J**
Toluene	1000	<250	**62.4**	<5.0	<10	<1.0	**1.2**
Xylenes (total)	530	**1160**	**137 J**	**9.2 J**	<30	<3.0	**3.5**
Total BTEX		**12581**	**23162.4**	**4195.6**	**750.2**	**0.88**	**6.03**
PAH EPA 610							
Naphthalene	21	**112**	**70.1**	**13.6**	<5.5	<4.9	<4.8

Sample ID:		USTHPFFC-MW09	USTHPFFC-MW09	USTHPFFC-MW09	USTHPFFC-MW09	USTHPFFC-MW09
Date Sampled:		08/22/05	01/24/06	10/06/06	08/16/07	02/27/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602						
Benzene	1	<5.0	<1.0	**323**	<1.0	**15.9**
Ethylbenzene	550	<5.0	<2.0	**101**	<2.0	**1.1**
Toluene	1000	<5.0	<1.0	**849**	0.88 J	<1.0
Xylenes (total)	530	<15	<3.0	**416**	<3.0	<3.0
Total BTEX				**1689**		**17**
PAH EPA 610						
Naphthalene	21	<1.9	<1.9	**17.4**	NA	NA

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFF-11**

Sample ID:		HPFF-HPFF11-02C	HPFF-HPFF11-03A	HPFF-11-03C	HPFF-11-04A	HPFF-11-04C	USTHPFFC-MW11
Date Sampled:		08/13/02	02/21/03	08/25/03	02/20/04	08/31/04	04/13/05
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602							
Benzene	1	**809**	**489**	**348**	**114**	**89.6**	<1.0
Ethylbenzene	550	**52.1**	**63.6**	<5.0	<2.0	**2.6**	**0.64 J**
Toluene	1000	**84.5**	**580**	<5.0	<2.0	**0.56 J**	**0.68 J**
Xylenes (total)	530	**110**	**187**	<15	<6.0	<3.0	<3.0
Total BTEX		**1055.6**	**1319.6**	**348**	**114**	**92.76**	**1.32**
PAH EPA 610							
Naphthalene	21	**2.3 J**	**8.0**	<5.2	<5.3	<4.8	<4.9

Sample ID:		USTHPFFC-MW11	USTHPFFC-MW11	USTHPFFC-MW11	USTHPFFC-MW11	USTHPFFC-MW11
Date Sampled:		08/20/05	01/24/06	12/01/06	08/23/07	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602						
Benzene	1	**44.7**	**96.7**	**41.2**	<1.0	NS
Ethylbenzene	550	<1.0	**33.5**	<1.0	<1.0	NS
Toluene	1000	**0.83 J**	**471**	<1.0	<1.0	NS
Xylenes (total)	530	**2.9 J**	**133**	<3.0	<3.0	NS
Total BTEX		**48.43**	**734.2**	**41.2**		NS
PAH EPA 610						
Naphthalene	21	<1.9	3.9	<1.9	NA	NS

Bold type indicates detectable concentrations.

Shaded result indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFF-19**

Sample ID:		CLJ-0011-009-HPFF-19	CLJ-0011-026-HPFF-19	CLJ-0011-043-HPFF-19	CLJ-0011-65	HPFF-HPFF19-01C	HPFF-HPFF19-02A	HPFF-HPFF19-02C	HPFF-HPFF19-03A
Date Sampled:		01/28/99	10/15/99	07/26/00	01/31/01	07/22/01	02/09/02	08/13/02	02/18/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**28000**	**12000**	**17000**	**19000**	**13000**	**15000**	**16800**	**16300**
Ethylbenzene	550	**3100**	**2000**	**2100**	**2000**	**1600**	**1780**	**1580**	**1420**
Toluene	1000	**32000**	**23000**	**26000**	**23000**	**19000**	**20300**	**20600**	**17800**
Xylenes (total)	530	**12000**	**7900**	**9600**	**9000**	**8100**	**9300**	**7360**	**6630**
Total BTEX		**75100**	**44900**	**54700**	**53000**	**41700**	**46380**	**46340**	**42150**
PAH EPA 610									
Naphthalene	21	**370**	**260**	**280**	**390**	**290**	**326**	**261**	**220**

Sample ID:		HPFF-19-03C	HPFF-19-04A	HPFF-19-04C	USTHPFFC-MW19	USTHPFFC-MW19	USTHPFFC-MW19	USTHPFFC-MW19	USTHPFFC-MW19
Date Sampled:		08/27/03	02/14/04	09/08/04	04/18/05	01/24/06	10/06/06	08/20/07	02/27/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**7760**	**11300**	**10900**	**3720**	**12100**	**1110**	**13700**	**3760**
Ethylbenzene	550	**481**	**847**	**723**	**858**	**711**	**92.8**	**970**	**447**
Toluene	1000	**10600**	**13800**	**12300**	**8230**	**9910**	**975**	**11200**	**2330**
Xylenes (total)	530	**12800**	**10300**	**7660**	**4350**	**3920**	**615**	**3350**	**2040**
Total BTEX		**31641**	**36247**	**31583**	**17158**	**26641**	**2792.8**	**29220**	**8577**
PAH EPA 610									
Naphthalene	21	**266**	**216**	**316**	**235**	**155**	N/A	NA	N/A

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFF-20**

Sample ID:		CLJ-0011-001-HPFF-20	CLJ-0011-018-HPFF-20	CLJ-0011-035-HPFF-20	CLJ-0011-54	HPFF-HPFF20-01C	HPFF-HPFF20-02A	HPFF-HPFF20-02C	HPFF-HPFF20-03A	HPFF-20-03C
Date Sampled:		01/27/99	10/15/99	07/20/00	02/01/01	07/22/01	02/09/02	08/14/02	02/18/03	08/27/03
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602										
Benzene	1	**2600**	**3400**	**4400**	**4700**	**2800**	**3070**	**1250**	**3280**	**6020**
Ethylbenzene	550	**1000**	**500**	**770**	**430**	<400	**656**	**247**	**551**	**112**
Toluene	1000	**10000**	**8600**	**1100**	**9200**	**6400**	**11400**	**2090**	**7630**	**8790**
Xylenes (total)	530	**3300**	**2200**	**3600**	**2900**	**2500**	**4570**	**813**	**2330**	**6770**
Total BTEX		**16900**	**14700**	**9870**	**17230**	**11700**	**19696**	**4400**	**13791**	**21692**
PAH EPA 610										
Naphthalene	21	**180**	**50**	**130**	**62**	**56**	**207**	**45.5**	**104**	<5.1

Sample ID:		HPFF-HPFF20-04A	HPFF-HPFF20-04C	USYHPFFC-MW20	USTHPFFC-MW20	USTHPFFC-MW20	USTHPFFC-MW20	USTHPFFC-MW20	USTHPFFC-MW20
Date Sampled:		02/20/04	09/08/04	04/18/05	08/31/05	01/24/06	10/04/06	08/14/07	02/28/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602									
Benzene	1	**6430**	**3030**	**13200**	**1030**	**4050**	**453**	**374**	**3210**
Ethylbenzene	550	**444**	**362**	**954**	**537**	**698**	**265**	**272**	**1040**
Toluene	1000	**9790**	**2770**	**13200**	**498**	**10600**	**130**	**77.3**	**7360**
Xylenes (total)	530	**6140**	**2920**	**7400**	**1810**	**3180**	**712**	**599**	**2260**
Total BTEX		**22804**	**9082**	**34754**	**3875**	**18528**	**1560**	**1322.3**	**13870**
PAH EPA 610									
Naphthalene	21	**98.9**	**68.6**	**238**	**101**	**143**	**53.6**	NA	NA

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Analytical Data Summary
SE Shallow Well **GW-32-2**

Sample ID:		CLJ-0011-007-GW-32-2	CLJ-0011-024-GW-32-2	CLJ-0011-041-GW-32-2	CLJ-0011-57	HPFF-78GW322-01C	HPFF-78GW322-02A	HPFF-78GW322-02C
Date Sampled:		01/28/99	10/15/99	07/20/00	01/31/01	07/22/01	02/09/02	08/14/02
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602								
Benzene	1	**170**	<1.0	**8.9**	**39**	**1.9**	**228**	**13.1**
Ethylbenzene	550	**18**	<1.0	<1.0	**30**	**2.9**	<10	**1.4**
Toluene	1000	**190**	<1.0	**1.1**	**86**	**8**	**95.2**	**15.5**
Xylenes (total)	530	**94**	<1.0	**1.2**	**120**	**9.2**	**984**	**8.6**
Total BTEX		**472**		**11.2**	**275**	**22**	**1307.2**	**38.6**
PAH EPA 610								
Naphthalene	21	**5.2**	<2.0	<2.0	**2.4**	<2.0	**16**	<5.2

Sample ID:		HPFF-78GW322-03A	GW-32-2-03C	GW-32-2-04A	GW-32-2-04C	IR78-GW32-2	IR78-GW32-2	IR78-GW32-2
Date Sampled:		02/21/03	08/25/03	02/23/04	09/13/04	04/06/05	08/18/07	08/18/07
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602								
Benzene	1	**109**	**176**	**325**	**321**	**604**	**915**	**33.7**
Ethylbenzene	550	**1.9**	<5.0	**16**	**37.4**	**15.4**	**705**	**12.7**
Toluene	1000	**1.7**	**3.5 J**	**43.9**	**149**	**48.4**	**2930**	**96.3**
Xylenes (total)	530	**1.7 J**	<15	**55.7**	**178**	**110**	**3200**	**68.9**
Total BTEX		**114.3**	**179.5**	**440.6**	**685.4**	**777.8**	**7750**	**211.6**
PAH EPA 610								
Naphthalene	21	<5.1	<5.1	**2.1 J**	**6.7**	**6.7**	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **GW-32-3**

Sample ID:		CLJ-0011-008-GW-32-3	CLJ-0011-025-GW-32-3	CLJ-0011-042-GW-32-3	CLJ-0011-58	HPFF-78GW323-01C	HPFF-78GW323-02A	HPFF-78GW323-02C
Date Sampled:		01/28/99	10/15/99	07/19/00	01/31/01	07/22/01	02/09/02	08/14/02
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602								
Benzene	1	**84**	<1.0	**25**	**7.3**	**98**	**2.7**	**124**
Ethylbenzene	550	**5.6**	<1.0	**110**	**31**	<10	<1.0	**14**
Toluene	1000	**120**	<1.0	**310**	**82**	<10	**2.2**	**88.7**
Xylenes (total)	530	**35**	<1.0	**420**	**120**	<10	**4.1**	**153**
Total BTEX		**244.6**		**865**	**240.3**	**98**	**9**	**379.7**
PAH EPA 610								
Naphthalene	21	**2.7**	<2.0	**12**	3.4	<2.0	<5.0	**3.3 J**

Sample ID:		HPFF-78GW323-03A	GW-32-3-03C	GW-32-3-04A	GW-32-3-04C	IR78-GW32-3	IR78-GW32-3	IR78-GW32-3
Date Sampled:		02/21/03	08/26/03	02/23/04	09/09/04	04/06/05	08/18/07	03/03/08
Analyte (ug/l)	**GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOA EPA 602								
Benzene	1	**7.1**	**0.64 J**	**20.9**	**28.9**	**8.2**	**74.6**	**0.53 J**
Ethylbenzene	550	**1.3**	**1.4**	**59.8**	**8.7**	**1.4**	**54**	**0.69 J**
Toluene	1000	**1.2**	**2.4**	**183**	**60.6**	**5.5**	**321**	**3.4**
Xylenes (total)	530	<3.0	**10.5**	**255**	**64**	**20.5**	**679**	**3.9**
Total BTEX		**9.6**	**14.94**	**518.7**	**162.2**	**35.6**	**1128.6**	**7.3**
PAH EPA 610								
Naphthalene	21	**2.7 J**	<5.5	**8.7**	**2.4**	<4.9	NA	NA

Bold type indicates detectable concentrations.
Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).

J= estimated
B= detected in blank

Printed: 6/18/2008
Samples analyzed by STL or Accutest

APPENDIX C

LABORATORY GROUNDWATER ANALYTICAL REPORTS, AUGUST 2007

Southeast ACCUTEST. Laboratories

IT'S ALL IN THE CHEMISTRY

09/05/07

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-SE

125709

Accutest Job Number: F51845

Sampling Dates: 08/14/07 - 08/15/07

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **59**

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

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

Section 1: Sample Summary **3**
Section 2: Sample Results **5**
2.1: F51845-1: USTHPFFC-MW06 6
2.2: F51845-2: USTHPFFC-MW20 8
2.3: F51845-3: USTHPFFC-MW03 10
2.4: F51845-4: IR78-GW31-02 12
2.5: F51845-5: USTHPFF-MW19 14
2.6: F51845-6: USTHPFFC-MW38 16
2.7: F51845-7: USTHPFF-MW18 18
2.8: F51845-8: USTHPFF-MW01 20
2.9: F51845-9: USTHPFFC-MW08 22
2.10: F51845-10: USTHPFFC-MW11 24
2.11: F51845-11: USTHPFFC-MW77 26
2.12: F51845-12: USTHPFFC-MW63 28
2.13: F51845-13: USTHPFFC-MW31 30
2.14: F51845-14: TRIP BLANK 081507 32
Section 3: Misc. Forms 34
3.1: Chain of Custody 35
Section 4: GC/MS Volatiles - QC Data Summaries **38**
4.1: Method Blank Summary 39
4.2: Blank Spike Summary 46
4.3: Matrix Spike/Matrix Spike Duplicate Summary 53

Sample Summary

Shaw E & I, Inc.

Job No: F51845

Camp Lejeune-SE
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F51845-1	08/14/07	11:30	MM	08/16/07	AQ	Ground Water	USTHPFFC-MW06
F51845-2	08/14/07	12:15	MM	08/16/07	AQ	Ground Water	USTHPFFC-MW20
F51845-3	08/14/07	14:00	MM	08/16/07	AQ	Ground Water	USTHPFFC-MW03
F51845-4	08/14/07	14:05	MM	08/16/07	AQ	Ground Water	IR78-GW31-02
F51845-5	08/14/07	15:00	MM	08/16/07	AQ	Ground Water	USTHPFF-MW19
F51845-6	08/15/07	08:30	MM	08/16/07	AQ	Ground Water	USTHPFFC-MW38
F51845-7	08/15/07	10:15	MM	08/16/07	AQ	Ground Water	USTHPFF-MW18
F51845-8	08/15/07	11:00	MM	08/16/07	AQ	Ground Water	USTHPFF-MW01
F51845-9	08/15/07	12:45	MM	08/16/07	AQ	Ground Water	USTHPFFC-MW08
F51845-10	08/15/07	15:00	MM	08/16/07	AQ	Ground Water	USTHPFFC-MW11
F51845-11	08/15/07	09:30	MM	08/16/07	AQ	Ground Water	USTHPFFC-MW77
F51845-12	08/15/07	14:06	MM	08/16/07	AQ	Ground Water	USTHPFFC-MW63
F51845-13	08/15/07	15:05	MM	08/16/07	AQ	Ground Water	USTHPFFC-MW31

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F51845

Camp Lejeune-SE
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F51845-14	08/15/07	00:00	MM	08/16/07	AQ	Trip Blank Water	TRIP BLANK 081507

Sample Results

Report of Analysis

Accutest LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW06		
Lab Sample ID:	F51845-1	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021859.D	1	08/22/07	MM	n/a	n/a	VM894
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	10	ug/l	
71-43-2	Benzene	0.76	1.0	0.20	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW06		
Lab Sample ID:	F51845-1	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	93%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW20		
Lab Sample ID:	F51845-2	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021860.D	5	08/22/07	MM	n/a	n/a	VM894
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	130	50	ug/l	
71-43-2	Benzene	374	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.5	ug/l	
75-25-2	Bromoform	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.3	ug/l	
67-66-3	Chloroform	1.5	5.0	1.1	ug/l	JB
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.4	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	272	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	1.9	ug/l	
75-09-2	Methylene chloride	13.4	25	5.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
100-42-5	Styrene	4.8	5.0	1.0	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	77.3	5.0	1.4	ug/l	
79-01-6	Trichloroethylene	ND	5.0	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

Accutest LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW20		
Lab Sample ID:	F51845-2	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.0	1.7	ug/l	
1330-20-7	Xylene (total)	599	15	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	94%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	92%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW03		
Lab Sample ID:	F51845-3	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021867.D	1	08/23/07	MM	n/a	n/a	VM895
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW03		
Lab Sample ID:	F51845-3	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	94%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	IR78-GW31-02		
Lab Sample ID:	F51845-4	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021869.D	1	08/23/07	MM	n/a	n/a	VM895
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	1.2	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	IR78-GW31-02		
Lab Sample ID:	F51845-4	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	93%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	94%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW19		
Lab Sample ID:	F51845-5	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021870.D	1	08/23/07	MM	n/a	n/a	VM895
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFF-MW19		
Lab Sample ID:	F51845-5	**Date Sampled:**	08/14/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW38		
Lab Sample ID:	F51845-6	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021875.D	1	08/23/07	MM	n/a	n/a	VM895
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW38		
Lab Sample ID:	F51845-6	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW18		
Lab Sample ID:	F51845-7	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050598.D	200	08/28/07	LD	n/a	n/a	VC2048
Run #2	C0050617.D	500	08/29/07	LD	n/a	n/a	VC2049

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5000	2000	ug/l	
71-43-2	Benzene	15400	200	40	ug/l	
75-27-4	Bromodichloromethane	ND	200	58	ug/l	
75-25-2	Bromoform	ND	200	56	ug/l	
108-90-7	Chlorobenzene	ND	200	40	ug/l	
75-00-3	Chloroethane	ND	400	92	ug/l	
67-66-3	Chloroform	84.5	200	42	ug/l	J
75-15-0	Carbon disulfide	ND	400	40	ug/l	
56-23-5	Carbon tetrachloride	ND	200	58	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	46	ug/l	
107-06-2	1,2-Dichloroethane	ND	200	40	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	50	ug/l	
124-48-1	Dibromochloromethane	ND	200	40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	200	56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	42	ug/l	
100-41-4	Ethylbenzene	1180	200	40	ug/l	
591-78-6	2-Hexanone	ND	2000	570	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	440	ug/l	
74-83-9	Methyl bromide	ND	400	110	ug/l	
74-87-3	Methyl chloride	ND	400	76	ug/l	
75-09-2	Methylene chloride [a]	443	1000	200	ug/l	J
78-93-3	Methyl ethyl ketone	ND	1000	400	ug/l	
100-42-5	Styrene	ND	200	40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	60	ug/l	
127-18-4	Tetrachloroethylene	ND	200	50	ug/l	
108-88-3	Toluene	29500 [b]	500	140	ug/l	
79-01-6	Trichloroethylene	ND	200	76	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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW18		
Lab Sample ID:	F51845-7	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	200	68	ug/l	
1330-20-7	Xylene (total)	7940	600	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	112%	76-127%
2037-26-5	Toluene-D8	103%	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	108%	84-120%

(a) Suspected laboratory contaminant.
(b) 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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW01		
Lab Sample ID:	F51845-8	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050597.D	200	08/28/07	LD	n/a	n/a	VC2048
Run #2	C0050616.D	500	08/29/07	LD	n/a	n/a	VC2049

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5000	2000	ug/l	
71-43-2	Benzene	4530	200	40	ug/l	
75-27-4	Bromodichloromethane	ND	200	58	ug/l	
75-25-2	Bromoform	ND	200	56	ug/l	
108-90-7	Chlorobenzene	ND	200	40	ug/l	
75-00-3	Chloroethane	ND	400	92	ug/l	
67-66-3	Chloroform	75.7	200	42	ug/l	J
75-15-0	Carbon disulfide	ND	400	40	ug/l	
56-23-5	Carbon tetrachloride	ND	200	58	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	46	ug/l	
107-06-2	1,2-Dichloroethane	104	200	40	ug/l	J
78-87-5	1,2-Dichloropropane	ND	200	50	ug/l	
124-48-1	Dibromochloromethane	ND	200	40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	200	56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	42	ug/l	
100-41-4	Ethylbenzene	2270 [a]	500	100	ug/l	
591-78-6	2-Hexanone	ND	2000	570	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	440	ug/l	
74-83-9	Methyl bromide	ND	400	110	ug/l	
74-87-3	Methyl chloride	ND	400	76	ug/l	
75-09-2	Methylene chloride	ND	1000	200	ug/l	
78-93-3	Methyl ethyl ketone	ND	1000	400	ug/l	
100-42-5	Styrene	ND	200	40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	60	ug/l	
127-18-4	Tetrachloroethylene	ND	200	50	ug/l	
108-88-3	Toluene	22200 [a]	500	140	ug/l	
79-01-6	Trichloroethylene	ND	200	76	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:	USTHPFF-MW01		
Lab Sample ID:	F51845-8	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	200	68	ug/l	
1330-20-7	Xylene (total)	13300	600	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	108%	76-127%
2037-26-5	Toluene-D8	100%	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	104%	84-120%

(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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW08		
Lab Sample ID:	F51845-9	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021886.D	10	08/23/07	MM	n/a	n/a	VM895
Run #2	C0050599.D	200	08/28/07	LD	n/a	n/a	VC2048

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	100	ug/l	
71-43-2	Benzene	7730 [a]	200	40	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.9	ug/l	
75-25-2	Bromoform	ND	10	2.8	ug/l	
108-90-7	Chlorobenzene	ND	10	2.0	ug/l	
75-00-3	Chloroethane	ND	20	4.6	ug/l	
67-66-3	Chloroform	6.5	10	2.1	ug/l	JB
75-15-0	Carbon disulfide	ND	20	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.5	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.5	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	323	10	2.0	ug/l	
591-78-6	2-Hexanone	ND	100	29	ug/l	
108-10-1	4-Methyl-2-pentanone	35.8	50	22	ug/l	J
74-83-9	Methyl bromide	ND	20	5.4	ug/l	
74-87-3	Methyl chloride	ND	20	3.8	ug/l	
75-09-2	Methylene chloride	26.7	50	10	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	3.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.5	ug/l	
108-88-3	Toluene	324	10	2.7	ug/l	
79-01-6	Trichloroethylene	ND	10	3.8	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:	USTHPFFC-MW08		
Lab Sample ID:	F51845-9	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	10	3.4	ug/l	
1330-20-7	Xylene (total)	979	30	5.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	110%	76-127%
2037-26-5	Toluene-D8	95%	101%	86-112%
460-00-4	4-Bromofluorobenzene	103%	101%	84-120%

(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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW11		
Lab Sample ID:	F51845-10	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021876.D	1	08/23/07	MM	n/a	n/a	VM895
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW11		
Lab Sample ID:	F51845-10	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	92%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	93%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW77		
Lab Sample ID:	F51845-11	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021871.D	1	08/23/07	MM	n/a	n/a	VM895
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW77		
Lab Sample ID:	F51845-11	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	90%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW63		
Lab Sample ID:	F51845-12	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021872.D	1	08/23/07	MM	n/a	n/a	VM895
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW63		
Lab Sample ID:	F51845-12	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	93%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	94%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW31		
Lab Sample ID:	F51845-13	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021873.D	1	08/23/07	MM	n/a	n/a	VM895
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@78173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW31		
Lab Sample ID:	F51845-13	**Date Sampled:**	08/15/07
Matrix:	AQ - Ground Water	**Date Received:**	08/17/07
Method:	SW847 8270B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1878-53-7	Dibromofluoromethane	102%		87-117%
17070-07-0	1,2-Dichloroethane-D4	92%		77-127%
2037-27-5	Toluene-D8	98%		87-112%
470-00-4	4-Bromofluorobenzene	97%		84-120%

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 LabLink@68173 08:44 05-Sep-2007

Report of Analysis

Client Sample ID:	TRIP BLANK 081507		
Lab Sample ID:	F51845-14	**Date Sampled:**	08/15/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021874.D	1	08/23/07	MM	n/a	n/a	VM895
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.79	1.0	0.21	ug/l	JB
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.1	5.0	1.0	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	TRIP BLANK 081507		
Lab Sample ID:	F51845-14	**Date Sampled:**	08/15/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/16/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	92%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	93%		84-120%

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

F51845

COC Number:
125709-SE-081507-1

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - SE	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	Analysis Desired
1	USTHPFFC-MW06	8/14/07	11:30		X	USTHPFFC-MW06	3	X	
2	USTHPFFC-MW20	8/14/07	12:15		X	USTHPFFC-MW20	3	X	
3	USTHPFFC-MW03	8/14/07	14:00		X	USTHPFFC-MW03	3	X	
4	IR78-GW31-02	8/14/07	14:05		X	IR78-GW31-02	3	X	
5	USTHPFF-MW19	8/14/07	15:00		X	USTHPFF-MW19	3	X	
6	USTHPFFC-MW38	8/15/07	8:30		X	USTHPFFC-MW38	3	X	
7	USTHPFF-MW18	8/15/07	10:15		X	USTHPFF-MW18	3	X	
8	USTHPFF-MW01	8/15/07	11:00		X	USTHPFF-MW01	3	X	
9	USTHPFFC-MW08	8/15/07	12:45		X	USTHPFFC-MW08	3	X	
10	USTHPFFC-MW11	8/15/07	15:00		X	USTHPFFC-MW11	3	X	

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 10		FedEx8619 1827 5037	8/15/07	18:00	14 Day TAT
2	FX		Eduardo T.	8-16-07	09:00	
3						

4.6

ACCUTEST
F51845

COC Number:
125709-SE-081507-2

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - SE	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260
1	USTHPFFC-MW77	8/15/07	9:30		X	USTHPFFC-MW77	3	X
2	USTHPFFC-MW63	8/15/07	14:06		X	USTHPFFC-MW63	3	X
3	USTHPFFC-MW31	8/15/07	15:05		X	USTHPFFC-MW31	3	X
4	Trip Blank 081507	8/15/07			X	Trip Blank	2	X
5								
6								
7								
8								
9								
10								

Analysis Desired

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 4		FedEx8619 1827 5037	9/5/07	18:00
2					
3					

Remarks

14 Day TAT

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F51845 CLIENT: Shaw Envtl. PROJECT: Camp Lejeune - SG

DATE/TIME RECEIVED: 8.16.07 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 4.6

METHOD OF DELIVERY: ~~FEDEX~~ UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8619 1827 5237

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [X] 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)
- [X] 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 ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Sample 5 one vial reads USTHPFF-19 CoC says USTHPFF-MW 19, Sample 6 vials don't have times CoC says 8:30

TECHNICIAN SIGNATURE/DATE E.T. 8-16-07 TECHNICIAN SIGNATURE/DATE JE 8-16-07 ASBD 10/03/06

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: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM894-MB	M0021846.D	1	08/22/07	MM	n/a	n/a	VM894

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-1, F51845-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.47	1.0	0.21	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM894-MB	M0021846.D	1	08/22/07	MM	n/a	n/a	VM894

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-1, F51845-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Method Blank Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM895-MB	M0021866.D	1	08/23/07	MM	n/a	n/a	VM895

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-3, F51845-4, F51845-5, F51845-6, F51845-9, F51845-10, F51845-11, F51845-12, F51845-13, F51845-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.40	1.0	0.21	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	2.1	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM895-MB	M0021866.D	1	08/23/07	MM	n/a	n/a	VM895

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-3, F51845-4, F51845-5, F51845-6, F51845-9, F51845-10, F51845-11, F51845-12, F51845-13, F51845-14

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2048-MB	C0050588.D	1	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-7, F51845-8, F51845-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2048-MB	C0050588.D	1	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-7, F51845-8, F51845-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	116%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Method Blank Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2049-MB	C0050615.D	1	08/29/07	LD	n/a	n/a	VC2049

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-7, F51845-8

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM894-BS	M0021845.D	1	08/22/07	MM	n/a	n/a	VM894

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-1, F51845-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	101	81	59-134
71-43-2	Benzene	25	27.9	112	83-124
75-27-4	Bromodichloromethane	25	26.0	104	76-116
75-25-2	Bromoform	25	24.7	99	68-128
108-90-7	Chlorobenzene	25	27.8	111	87-115
75-00-3	Chloroethane	25	25.7	103	54-166
67-66-3	Chloroform	25	26.6	106	85-123
75-15-0	Carbon disulfide	25	29.0	116	67-147
56-23-5	Carbon tetrachloride	25	27.4	110	74-139
75-34-3	1,1-Dichloroethane	25	28.3	113	82-127
75-35-4	1,1-Dichloroethylene	25	25.0	100	75-133
107-06-2	1,2-Dichloroethane	25	26.4	106	76-122
78-87-5	1,2-Dichloropropane	25	27.1	108	81-120
124-48-1	Dibromochloromethane	25	25.9	104	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.7	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.0	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	25.6	102	82-126
10061-02-6	trans-1,3-Dichloropropene	25	30.5	122	87-123
100-41-4	Ethylbenzene	25	25.9	104	87-118
591-78-6	2-Hexanone	125	123	98	58-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
74-83-9	Methyl bromide	25	28.6	114	55-151
74-87-3	Methyl chloride	25	25.2	101	55-173
75-09-2	Methylene chloride	25	21.4	86	69-125
78-93-3	Methyl ethyl ketone	125	113	90	61-127
100-42-5	Styrene	25	23.5	94	78-118
71-55-6	1,1,1-Trichloroethane	25	27.6	110	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.0	104	71-120
79-00-5	1,1,2-Trichloroethane	25	26.8	107	80-114
127-18-4	Tetrachloroethylene	25	26.2	105	80-131
108-88-3	Toluene	25	28.9	116	86-116
79-01-6	Trichloroethylene	25	26.5	106	85-124
75-01-4	Vinyl chloride	25	21.5	86	57-153
1330-20-7	Xylene (total)	75	75.8	101	86-120

Blank Spike Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM894-BS	M0021845.D	1	08/22/07	MM	n/a	n/a	VM894

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-1, F51845-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	107%	84-120%

Blank Spike Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM895-BS	M0021865.D	1	08/23/07	MM	n/a	n/a	VM895

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-3, F51845-4, F51845-5, F51845-6, F51845-9, F51845-10, F51845-11, F51845-12, F51845-13, F51845-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	109	87	59-134
71-43-2	Benzene	25	28.4	114	83-124
75-27-4	Bromodichloromethane	25	24.4	98	76-116
75-25-2	Bromoform	25	24.6	98	68-128
108-90-7	Chlorobenzene	25	27.4	110	87-115
75-00-3	Chloroethane	25	36.9	148	54-166
67-66-3	Chloroform	25	25.7	103	85-123
75-15-0	Carbon disulfide	25	30.0	120	67-147
56-23-5	Carbon tetrachloride	25	26.9	108	74-139
75-34-3	1,1-Dichloroethane	25	29.5	118	82-127
75-35-4	1,1-Dichloroethylene	25	25.3	101	75-133
107-06-2	1,2-Dichloroethane	25	25.8	103	76-122
78-87-5	1,2-Dichloropropane	25	27.3	109	81-120
124-48-1	Dibromochloromethane	25	24.6	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.7	107	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.8	99	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.2	109	87-123
100-41-4	Ethylbenzene	25	24.6	98	87-118
591-78-6	2-Hexanone	125	124	99	58-125
108-10-1	4-Methyl-2-pentanone	125	128	102	62-125
74-83-9	Methyl bromide	25	40.2	161*	55-151
74-87-3	Methyl chloride	25	34.1	136	55-173
75-09-2	Methylene chloride	25	23.9	96	69-125
78-93-3	Methyl ethyl ketone	125	123	98	61-127
100-42-5	Styrene	25	22.9	92	78-118
71-55-6	1,1,1-Trichloroethane	25	27.3	109	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.5	94	71-120
79-00-5	1,1,2-Trichloroethane	25	25.1	100	80-114
127-18-4	Tetrachloroethylene	25	26.5	106	80-131
108-88-3	Toluene	25	27.6	110	86-116
79-01-6	Trichloroethylene	25	25.8	103	85-124
75-01-4	Vinyl chloride	25	30.5	122	57-153
1330-20-7	Xylene (total)	75	71.7	96	86-120

Blank Spike Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM895-BS	M0021865.D	1	08/23/07	MM	n/a	n/a	VM895

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-3, F51845-4, F51845-5, F51845-6, F51845-9, F51845-10, F51845-11, F51845-12, F51845-13, F51845-14

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Blank Spike Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2048-BS	C0050587.D	1	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-7, F51845-8, F51845-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	109	87	59-134
71-43-2	Benzene	25	29.2	117	83-124
75-27-4	Bromodichloromethane	25	27.6	110	76-116
75-25-2	Bromoform	25	28.9	116	68-128
108-90-7	Chlorobenzene	25	25.4	102	87-115
75-00-3	Chloroethane	25	28.1	112	54-166
67-66-3	Chloroform	25	27.1	108	85-123
75-15-0	Carbon disulfide	25	24.7	99	67-147
56-23-5	Carbon tetrachloride	25	27.0	108	74-139
75-34-3	1,1-Dichloroethane	25	29.4	118	82-127
75-35-4	1,1-Dichloroethylene	25	25.1	100	75-133
107-06-2	1,2-Dichloroethane	25	31.3	125*	76-122
78-87-5	1,2-Dichloropropane	25	28.7	115	81-120
124-48-1	Dibromochloromethane	25	27.0	108	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.1	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.1	108	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.1	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	31.0	124*	87-123
100-41-4	Ethylbenzene	25	26.0	104	87-118
591-78-6	2-Hexanone	125	131	105	58-125
108-10-1	4-Methyl-2-pentanone	125	128	102	62-125
74-83-9	Methyl bromide	25	29.7	119	55-151
74-87-3	Methyl chloride	25	31.0	124	55-173
75-09-2	Methylene chloride	25	26.5	106	69-125
78-93-3	Methyl ethyl ketone	125	133	106	61-127
100-42-5	Styrene	25	23.8	95	78-118
71-55-6	1,1,1-Trichloroethane	25	27.4	110	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	20.7	83	71-120
79-00-5	1,1,2-Trichloroethane	25	25.0	100	80-114
127-18-4	Tetrachloroethylene	25	27.0	108	80-131
79-01-6	Trichloroethylene	25	27.0	108	85-124
75-01-4	Vinyl chloride	25	30.7	123	57-153
1330-20-7	Xylene (total)	75	78.2	104	86-120

Blank Spike Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2048-BS	C0050587.D	1	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-7, F51845-8, F51845-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	118%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2049-BS	C0050614.D	1	08/29/07	LD	n/a	n/a	VC2049

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-7, F51845-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	25.3	101	87-118
108-88-3	Toluene	25	24.8	99	86-116

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51741-1MS	M0021853.D	1	08/22/07	MM	n/a	n/a	VM894
F51741-1MSD	M0021854.D	1	08/22/07	MM	n/a	n/a	VM894
F51741-1	M0021847.D	1	08/22/07	MM	n/a	n/a	VM894

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-1, F51845-2

CAS No.	Compound	F51741-1 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	115	92	113	90	2	59-134/14
71-43-2	Benzene	1.0 U		25	28.5	114	27.8	111	2	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	24.2	97	24.3	97	0	76-116/10
75-25-2	Bromoform	1.0 U		25	25.2	101	25.3	101	0	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	28.0	112	27.7	111	1	87-115/9
75-00-3	Chloroethane	2.0 U		25	33.7	135	32.8	131	3	54-166/20
67-66-3	Chloroform	1.0 U		25	24.9	100	25.0	100	0	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	28.2	113	27.5	110	3	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	25.8	103	24.4	98	6	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	28.2	113	27.5	110	3	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	24.2	97	23.6	94	3	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	24.8	99	25.1	100	1	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	26.6	106	26.6	106	0	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	25.4	102	25.5	102	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	0.30	I	25	27.1	107	26.9	106	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	23.2	93	23.4	94	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	24.7	99	24.2	97	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.3	105	26.5	106	1	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	24.3	97	24.0	96	1	87-118/10
591-78-6	2-Hexanone	10 U		125	142	114	141	113	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	139	111	138	110	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	35.7	143	35.5	142	1	55-151/21
74-87-3	Methyl chloride	2.0 U		25	32.0	128	32.6	130	2	55-173/22
75-09-2	Methylene chloride	5.0 U		25	22.5	90	22.3	89	1	69-125/11
78-93-3	Methyl ethyl ketone	5.7		125	135	103	133	102	1	61-127/13
100-42-5	Styrene	1.0 U		25	23.6	94	23.2	93	2	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	25.6	102	25.2	101	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	24.5	98	24.5	98	0	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.8	103	25.6	102	1	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	26.8	107	25.6	102	5	80-131/12
108-88-3	Toluene	1.0 U		25	28.0	112	27.4	110	2	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	25.6	102	24.9	100	3	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	27.6	110	27.5	110	0	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	71.6	95	70.8	94	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51741-1MS	M0021853.D	1	08/22/07	MM	n/a	n/a	VM894
F51741-1MSD	M0021854.D	1	08/22/07	MM	n/a	n/a	VM894
F51741-1	M0021847.D	1	08/22/07	MM	n/a	n/a	VM894

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-1, F51845-2

CAS No.	Surrogate Recoveries	MS	MSD	F51741-1	Limits
1868-53-7	Dibromofluoromethane	100%	99%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	95%	100%	76-127%
2037-26-5	Toluene-D8	99%	98%	104%	86-112%
460-00-4	4-Bromofluorobenzene	93%	95%	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51845-4MS	M0021879.D	1	08/23/07	MM	n/a	n/a	VM895
F51845-4MSD	M0021880.D	1	08/23/07	MM	n/a	n/a	VM895
F51845-4	M0021869.D	1	08/23/07	MM	n/a	n/a	VM895

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-3, F51845-4, F51845-5, F51845-6, F51845-9, F51845-10, F51845-11, F51845-12, F51845-13, F51845-14

CAS No.	Compound	F51845-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	116	93	115	92	1	59-134/14
71-43-2	Benzene	ND		25	29.6	118	28.0	112	6	83-124/11
75-27-4	Bromodichloromethane	ND		25	25.9	104	24.4	98	6	76-116/10
75-25-2	Bromoform	ND		25	24.3	97	22.9	92	6	68-128/11
108-90-7	Chlorobenzene	ND		25	27.8	111	25.8	103	7	87-115/9
75-00-3	Chloroethane	ND		25	29.1	116	27.6	110	5	54-166/20
67-66-3	Chloroform	ND		25	27.0	108	25.1	100	7	85-123/10
75-15-0	Carbon disulfide	ND		25	29.8	119	27.3	109	9	67-147/12
56-23-5	Carbon tetrachloride	ND		25	27.1	108	26.2	105	3	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	30.1	120	28.3	113	6	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	26.8	107	25.0	100	7	75-133/13
107-06-2	1,2-Dichloroethane	1.2		25	29.0	111	27.5	105	5	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.9	112	26.4	106	6	81-120/11
124-48-1	Dibromochloromethane	ND		25	25.3	101	23.7	95	7	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.7	107	24.9	100	7	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.1	100	23.8	95	5	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.0	108	25.4	102	6	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	29.8	119	27.4	110	8	87-123/10
100-41-4	Ethylbenzene	ND		25	25.9	104	23.9	96	8	87-118/10
591-78-6	2-Hexanone	ND		125	140	112	139	111	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	132	106	133	106	1	62-125/13
74-83-9	Methyl bromide	ND		25	30.8	123	29.0	116	6	55-151/21
74-87-3	Methyl chloride	ND		25	25.0	100	24.3	97	3	55-173/22
75-09-2	Methylene chloride	ND		25	22.4	90	21.1	84	6	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	128	102	131	105	2	61-127/13
100-42-5	Styrene	ND		25	23.3	93	21.5	86	8	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	28.1	112	26.9	108	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	25.8	103	24.8	99	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	27.6	110	25.0	100	10	80-114/11
127-18-4	Tetrachloroethylene	ND		25	25.7	103	24.1	96	6	80-131/12
108-88-3	Toluene	ND		25	31.7	127*	28.1	112	12*	86-116/10
79-01-6	Trichloroethylene	ND		25	25.8	103	24.2	97	6	85-124/10
75-01-4	Vinyl chloride	ND		25	22.4	90	21.7	87	3	57-153/22
1330-20-7	Xylene (total)	ND		75	77.5	103	71.6	95	8	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51845-4MS	M0021879.D	1	08/23/07	MM	n/a	n/a	VM895
F51845-4MSD	M0021880.D	1	08/23/07	MM	n/a	n/a	VM895
F51845-4	M0021869.D	1	08/23/07	MM	n/a	n/a	VM895

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-3, F51845-4, F51845-5, F51845-6, F51845-9, F51845-10, F51845-11, F51845-12, F51845-13, F51845-14

CAS No.	Surrogate Recoveries	MS	MSD	F51845-4	Limits
1868-53-7	Dibromofluoromethane	101%	101%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	107%	93%	76-127%
2037-26-5	Toluene-D8	103%	102%	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	104%	94%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51837-6MS	C0050591.D	1000	08/28/07	LD	n/a	n/a	VC2048
F51837-6MSD	C0050592.D	1000	08/28/07	LD	n/a	n/a	VC2048
F51837-6 [a]	C0050590.D	1000	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-7, F51845-8, F51845-9

CAS No.	Compound	F51837-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25000	U	125000	69700	56*	83700	67	18*	59-134/14
71-43-2	Benzene	1000	U	25000	26500	106	25100	100	5	83-124/11
75-27-4	Bromodichloromethane	1000	U	25000	24700	99	24000	96	3	76-116/10
75-25-2	Bromoform	1000	U	25000	26600	106	26300	105	1	68-128/11
108-90-7	Chlorobenzene	1000	U	25000	25000	100	24400	98	2	87-115/9
75-00-3	Chloroethane	2000	U	25000	34800	139	32300	129	7	54-166/20
67-66-3	Chloroform	1000	U	25000	24900	100	23900	96	4	85-123/10
75-15-0	Carbon disulfide	2000	U	25000	27200	109	24700	99	10	67-147/12
56-23-5	Carbon tetrachloride	1000	U	25000	27000	108	26000	104	4	74-139/13
75-34-3	1,1-Dichloroethane	1000	U	25000	27500	110	26000	104	6	82-127/10
75-35-4	1,1-Dichloroethylene	1000	U	25000	26000	104	24000	96	8	75-133/13
107-06-2	1,2-Dichloroethane	1000	U	25000	26700	107	26400	106	1	76-122/11
78-87-5	1,2-Dichloropropane	1000	U	25000	26400	106	25500	102	3	81-120/11
124-48-1	Dibromochloromethane	1000	U	25000	24600	98	24500	98	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	4970		25000	30100	101	29700	99	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1000	U	25000	23900	96	22900	92	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1000	U	25000	25300	101	24100	96	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1000	U	25000	26200	105	26200	105	0	87-123/10
100-41-4	Ethylbenzene	1000	U	25000	24700	99	24400	98	1	87-118/10
591-78-6	2-Hexanone	10000	U	125000	118000	94	127000	102	7	58-125/14
108-10-1	4-Methyl-2-pentanone	5000	U	125000	122000	98	128000	102	5	62-125/13
74-83-9	Methyl bromide	2000	U	25000	36900	148	33900	136	8	55-151/21
74-87-3	Methyl chloride	2000	U	25000	33300	133	31100	124	7	55-173/22
75-09-2	Methylene chloride	5000	U	25000	25500	102	24200	97	5	69-125/11
78-93-3	Methyl ethyl ketone	5000	U	125000	114000	91	125000	100	9	61-127/13
100-42-5	Styrene	1000	U	25000	22400	90	22500	90	0	78-118/11
71-55-6	1,1,1-Trichloroethane	1000	U	25000	27300	109	26100	104	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1000	U	25000	19500	78	20600	82	5	71-120/11
79-00-5	1,1,2-Trichloroethane	1000	U	25000	22700	91	23000	92	1	80-114/11
127-18-4	Tetrachloroethylene	53100		25000	81800	115	79000	104	3	80-131/12
79-01-6	Trichloroethylene	7000		25000	32600	102	32200	101	1	85-124/10
75-01-4	Vinyl chloride	1000	U	25000	35800	143	33800	135	6	57-153/22
1330-20-7	Xylene (total)	3000	U	75000	75300	100	73800	98	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51837-6MS	C0050591.D	1000	08/28/07	LD	n/a	n/a	VC2048
F51837-6MSD	C0050592.D	1000	08/28/07	LD	n/a	n/a	VC2048
F51837-6 [a]	C0050590.D	1000	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-7, F51845-8, F51845-9

CAS No.	Surrogate Recoveries	MS	MSD	F51837-6	Limits
1868-53-7	Dibromofluoromethane	97%	98%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	109%	114%	76-127%
2037-26-5	Toluene-D8	99%	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	101%	96%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51845
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51882-1MS	C0050628.D	1	08/29/07	LD	n/a	n/a	VC2049
F51882-1MSD	C0050629.D	1	08/29/07	LD	n/a	n/a	VC2049
F51882-1 [a]	C0050622.D	1	08/29/07	LD	n/a	n/a	VC2049

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51845-7, F51845-8

CAS No.	Compound	F51882-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	ND		25	24.0	96	24.2	97	1	87-118/10
108-88-3	Toluene	ND		25	24.2	97	24.4	98	1	86-116/10

CAS No.	Surrogate Recoveries	MS	MSD	F51882-1	Limits
1868-53-7	Dibromofluoromethane	104%	108%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	111%	115%	76-127%
2037-26-5	Toluene-D8	97%	97%	105%	86-112%
460-00-4	4-Bromofluorobenzene	98%	102%	104%	84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/05/07

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-SE

125709

Accutest Job Number: F51931

Sampling Dates: 08/16/07 - 08/17/07

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **58**

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

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **5**
2.1: F51931-1: USTHPFFC-MW10 6
2.2: F51931-2: USTHPFF-MW17 8
2.3: F51931-3: USTHPFFC-MW15 10
2.4: F51931-4: USTHPFFC-MW09 12
2.5: F51931-5: USTHPFFC-MW05 14
2.6: F51931-6: UST1101-MW01 16
2.7: F51931-7: USTHPFF-MW11 18
2.8: F51931-8: IR78-GW17-02 20
2.9: F51931-9: USTHPFF-MW09 22
2.10: F51931-10: USTHPFFC-MW70 24
2.11: F51931-11: USTHPFFC-MW71 26
2.12: F51931-12: USTHPFFC-MW66 28
2.13: F51931-13: USTHPFFC-MW72 30
2.14: F51931-14: USTHPFF-MW15 32
2.15: F51931-15: TRIP BLANK 081707 34
Section 3: Misc. Forms 36
3.1: Chain of Custody 37
Section 4: GC/MS Volatiles - QC Data Summaries **40**
4.1: Method Blank Summary 41
4.2: Blank Spike Summary 47
4.3: Matrix Spike/Matrix Spike Duplicate Summary 53

Sample Summary

Shaw E & I, Inc.

Job No: F51931

Camp Lejeune-SE
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F51931-1	08/16/07	07:20	MM	08/18/07	AQ	Ground Water	USTHPFFC-MW10
F51931-2	08/16/07	08:45	MM	08/18/07	AQ	Ground Water	USTHPFF-MW17
F51931-3	08/16/07	09:15	MM	08/18/07	AQ	Ground Water	USTHPFFC-MW15
F51931-4	08/16/07	10:30	MM	08/18/07	AQ	Ground Water	USTHPFFC-MW09
F51931-5	08/16/07	11:15	MM	08/18/07	AQ	Ground Water	USTHPFFC-MW05
F51931-6	08/16/07	13:30	MM	08/18/07	AQ	Ground Water	UST1101-MW01
F51931-7	08/16/07	14:30	MM	08/18/07	AQ	Ground Water	USTHPFF-MW11
F51931-8	08/16/07	12:03	MM	08/18/07	AQ	Ground Water	IR78-GW17-02
F51931-9	08/16/07	12:51	MM	08/18/07	AQ	Ground Water	USTHPFF-MW09
F51931-10	08/16/07	14:35	MM	08/18/07	AQ	Ground Water	USTHPFFC-MW70
F51931-11	08/16/07	15:35	MM	08/18/07	AQ	Ground Water	USTHPFFC-MW71
F51931-12	08/17/07	11:51	MM	08/18/07	AQ	Ground Water	USTHPFFC-MW66
F51931-13	08/17/07	12:15	MM	08/18/07	AQ	Ground Water	USTHPFFC-MW72

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F51931

Camp Lejeune-SE
Project No: 125709

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F51931-14	08/17/07	12:30 MM	08/18/07	AQ	Ground Water	USTHPFF-MW15
F51931-15	08/17/07	00:00 MM	08/18/07	AQ	Trip Blank Water	TRIP BLANK 081707

Sample Results

Report of Analysis

Accutest LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW10		
Lab Sample ID:	F51931-1	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050602.D	1	08/28/07	LD	n/a	n/a	VC2048
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	10	ug/l	
71-43-2	Benzene	0.73	1.0	0.20	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW10		
Lab Sample ID:	F51931-1	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW17		
Lab Sample ID:	F51931-2	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048171.D	500	08/28/07	LD	n/a	n/a	VB2024
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	13000	5000	ug/l	
71-43-2	Benzene	7240	500	100	ug/l	
75-27-4	Bromodichloromethane	ND	500	150	ug/l	
75-25-2	Bromoform	ND	500	140	ug/l	
108-90-7	Chlorobenzene	ND	500	100	ug/l	
75-00-3	Chloroethane	ND	1000	230	ug/l	
67-66-3	Chloroform	ND	500	110	ug/l	
75-15-0	Carbon disulfide	ND	1000	100	ug/l	
56-23-5	Carbon tetrachloride	ND	500	150	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	130	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	120	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	100	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	130	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	140	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	120	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	2740	500	100	ug/l	
591-78-6	2-Hexanone	ND	5000	1400	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1100	ug/l	
74-83-9	Methyl bromide	ND	1000	270	ug/l	
74-87-3	Methyl chloride	ND	1000	190	ug/l	
75-09-2	Methylene chloride	ND	2500	500	ug/l	
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
100-42-5	Styrene	ND	500	100	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	150	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	190	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	150	ug/l	
127-18-4	Tetrachloroethylene	ND	500	130	ug/l	
108-88-3	Toluene	26600	500	140	ug/l	
79-01-6	Trichloroethylene	ND	500	190	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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW17		
Lab Sample ID:	F51931-2	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	500	170	ug/l	
1330-20-7	Xylene (total)	7780	1500	280	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW15		
Lab Sample ID:	F51931-3	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050607.D	500	08/28/07	LD	n/a	n/a	VC2048
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	13000	5000	ug/l	
71-43-2	Benzene	21300	500	100	ug/l	
75-27-4	Bromodichloromethane	ND	500	150	ug/l	
75-25-2	Bromoform	ND	500	140	ug/l	
108-90-7	Chlorobenzene	ND	500	100	ug/l	
75-00-3	Chloroethane	ND	1000	230	ug/l	
67-66-3	Chloroform	218	500	110	ug/l	J
75-15-0	Carbon disulfide	ND	1000	100	ug/l	
56-23-5	Carbon tetrachloride	ND	500	150	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	130	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	120	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	100	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	130	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	140	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	120	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	1100	500	100	ug/l	
591-78-6	2-Hexanone	ND	5000	1400	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1100	ug/l	
74-83-9	Methyl bromide	ND	1000	270	ug/l	
74-87-3	Methyl chloride	ND	1000	190	ug/l	
75-09-2	Methylene chloride [a]	1000	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
100-42-5	Styrene	ND	500	100	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	150	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	190	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	150	ug/l	
127-18-4	Tetrachloroethylene	ND	500	130	ug/l	
108-88-3	Toluene	32700	500	140	ug/l	
79-01-6	Trichloroethylene	ND	500	190	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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW15		
Lab Sample ID:	F51931-3	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	500	170	ug/l	
1330-20-7	Xylene (total)	9940	1500	280	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

(a) Suspected laboratory contaminant.

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:	USTHPFFC-MW09		
Lab Sample ID:	F51931-4	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048191.D	1	08/29/07	LD	n/a	n/a	VB2025
Run #2	C0050610.D	10	08/28/07	LD	n/a	n/a	VC2048

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	124 [a]	10	2.0	ug/l	
78-87-5	1,2-Dichloropropane	0.50	1.0	0.25	ug/l	J
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.88	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW09		
Lab Sample ID:	F51931-4	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	114%	76-127%
2037-26-5	Toluene-D8	99%	105%	86-112%
460-00-4	4-Bromofluorobenzene	109%	105%	84-120%

(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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW05		
Lab Sample ID:	F51931-5	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050603.D	1	08/28/07	LD	n/a	n/a	VC2048
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.66	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW05		
Lab Sample ID:	F51931-5	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	114%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	UST1101-MW01		
Lab Sample ID:	F51931-6	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050604.D	1	08/28/07	LD	n/a	n/a	VC2048
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1101-MW01		
Lab Sample ID:	F51931-6	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW11		
Lab Sample ID:	F51931-7	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050605.D	1	08/28/07	LD	n/a	n/a	VC2048
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	41.9	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.32	1.0	0.25	ug/l	J
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFF-MW11		
Lab Sample ID:	F51931-7	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	IR78-GW17-02		
Lab Sample ID:	F51931-8	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050606.D	1	08/28/07	LD	n/a	n/a	VC2048
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	10	ug/l	
71-43-2	Benzene	9.8	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	1.1	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	7.7	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.52	1.0	0.25	ug/l	J
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.85	1.0	0.28	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	1.8	2.0	0.38	ug/l	J
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	1.0	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	1.6	1.0	0.38	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:	IR78-GW17-02		
Lab Sample ID:	F51931-8	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW09		
Lab Sample ID:	F51931-9	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048180.D	1	08/29/07	LD	n/a	n/a	VB2025
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW09		
Lab Sample ID:	F51931-9	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW70		
Lab Sample ID:	F51931-10	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048181.D	1	08/29/07	LD	n/a	n/a	VB2025
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4.6	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW70		
Lab Sample ID:	F51931-10	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW71		
Lab Sample ID:	F51931-11	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048182.D	1	08/29/07	LD	n/a	n/a	VB2025
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.8	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW71		
Lab Sample ID:	F51931-11	**Date Sampled:**	08/16/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW66		
Lab Sample ID:	F51931-12	**Date Sampled:**	08/17/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050608.D	100	08/28/07	LD	n/a	n/a	VC2048
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	2500	1000	ug/l	
71-43-2	Benzene	3830	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	38.9	100	21	ug/l	J
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	324	100	20	ug/l	
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride [a]	216	500	100	ug/l	J
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	ND	100	27	ug/l	
79-01-6	Trichloroethylene	ND	100	38	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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW66		
Lab Sample ID:	F51931-12	**Date Sampled:**	08/17/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	379	300	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Suspected laboratory contaminant.

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW72		
Lab Sample ID:	F51931-13	**Date Sampled:**	08/17/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050609.D	500	08/28/07	LD	n/a	n/a	VC2048
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	13000	5000	ug/l	
71-43-2	Benzene	16800	500	100	ug/l	
75-27-4	Bromodichloromethane	ND	500	150	ug/l	
75-25-2	Bromoform	ND	500	140	ug/l	
108-90-7	Chlorobenzene	ND	500	100	ug/l	
75-00-3	Chloroethane	ND	1000	230	ug/l	
67-66-3	Chloroform	216	500	110	ug/l	J
75-15-0	Carbon disulfide	ND	1000	100	ug/l	
56-23-5	Carbon tetrachloride	ND	500	150	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	130	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	120	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	100	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	130	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	140	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	120	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	1880	500	100	ug/l	
591-78-6	2-Hexanone	ND	5000	1400	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1100	ug/l	
74-83-9	Methyl bromide	ND	1000	270	ug/l	
74-87-3	Methyl chloride	ND	1000	190	ug/l	
75-09-2	Methylene chloride [a]	1530	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
100-42-5	Styrene	ND	500	100	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	150	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	190	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	150	ug/l	
127-18-4	Tetrachloroethylene	ND	500	130	ug/l	
108-88-3	Toluene	28400	500	140	ug/l	
79-01-6	Trichloroethylene	ND	500	190	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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW72		
Lab Sample ID:	F51931-13	**Date Sampled:**	08/17/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	500	170	ug/l	
1330-20-7	Xylene (total)	8290	1500	280	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

(a) Suspected laboratory contaminant.

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW15		
Lab Sample ID:	F51931-14	**Date Sampled:**	08/17/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048197.D	100	08/29/07	LD	n/a	n/a	VB2025
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	2500	1000	ug/l	
71-43-2	Benzene	561	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	44.4	100	21	ug/l	J
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	3080	100	20	ug/l	
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride [a]	534	500	100	ug/l	J
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	8510	100	27	ug/l	
79-01-6	Trichloroethylene	ND	100	38	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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW15		
Lab Sample ID:	F51931-14	**Date Sampled:**	08/17/07
Matrix:	AQ - Ground Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	16900	300	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

(a) Suspected laboratory contaminant.

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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	TRIP BLANK 081707		
Lab Sample ID:	F51931-15	**Date Sampled:**	08/17/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050589.D	1	08/28/07	LD	n/a	n/a	VC2048
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 10:08 05-Sep-2007

Report of Analysis

Client Sample ID:	TRIP BLANK 081707		
Lab Sample ID:	F51931-15	**Date Sampled:**	08/17/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/18/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-SE		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	116%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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

F51931

COC Number:
125709-SE-081707-1

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location	
CAMP LEJEUNE - SE	CAMP LEJEUNE, NC	
Project Number	**Contact**	**PO Number**
125709	Mark Martin	282002
Client Rep	**Project Manager**	
US NAVY - LANTDIV	Joe Colella	

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	USTHPFFC-MW10	8/16/07	7:20		X	USTHPFFC-MW10	3	X
2	USTHPFF-MW17	8/16/07	8:45		X	USTHPFF-MW17	3	X
3	USTHPFFC-MW15	8/16/07	9:15		X	USTHPFFC-MW15	3	X
4	USTHPFFC-MW09	8/16/07	10:30		X	USTHPFFC-MW09	3	X
5	USTHPFFC-MW05	8/16/07	11:15		X	USTHPFFC-MW05	3	X
6	UST1101-MW01	8/16/07	13:30		X	UST1101-MW01	3	X
7	USTHPFF-MW11	8/16/07	14:30		X	USTHPFF-MW11	3	X
8	IR78-GW17-02	8/16/07	12:03		X	IR78-GW17-02	3	X
9	USTHPFF-MW09	8/16/07	12:51		X	USTHPFF-MW09	3	X
10	USTHPFFC-MW70	8/16/07	14:35		X	USTHPFFC-MW70	3	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 10	[signature]	FedEx 8610 5635 3020	8/17/07	18:00	14 Day TAT
2		FX	E Torres	8-18-07	09:00	
3						

2.2°C

F51931

COC Number:
125709-SE-061707-2

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - SE	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	USTHPFFC-MW71	8/16/07	15:35		X	USTHPFFC-MW71	3	X
2	USTHPFFC-MW66	8/17/07	11:51			USTHPFFC-MW66	3	X
3	USTHPFFC-MW72	8/17/07	12:15			USTHPFFC-MW72	3	X
4	USTHPFF-MW15	8/17/07	12:30			USTHPFF-MW15	3	X
5	Trip Blank 081707	8/16/07			X	Trip Blank	2	X
6								
7								
8								
9								
10								

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 5		FedEx 8610 5635 3020	8/17/07	18:00	14 Day TAT
2		FX	E Torres	8.18.07	09:00	
3						

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F51931 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 8-18-07 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.2

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8610 5835 3020

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [x] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [ ] 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 ? —

NUMBER OF 5035 FIELD KITS ? —

NUMBER OR LAB FILTERED METALS ? —

SUMMARY OF COMMENTS: 1 Vial from Sample doesn't have time

TECHNICIAN SIGNATURE/DATE E.T. 8-18-07 TECHNICIAN SIGNATURE/DATE JC 8-18-07 ASBD 10/03/06

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: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2024-MB	B048153.D	1	08/28/07	LD	n/a	n/a	VB2024

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2024-MB	B048153.D	1	08/28/07	LD	n/a	n/a	VB2024

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	111%	84-120%

Method Blank Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2048-MB	C0050588.D	1	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-1, F51931-3, F51931-4, F51931-5, F51931-6, F51931-7, F51931-8, F51931-12, F51931-13, F51931-15

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2048-MB	C0050588.D	1	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-1, F51931-3, F51931-4, F51931-5, F51931-6, F51931-7, F51931-8, F51931-12, F51931-13, F51931-15

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	116%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Method Blank Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2025-MB	B048178.D	1	08/29/07	LD	n/a	n/a	VB2025

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-4, F51931-9, F51931-10, F51931-11, F51931-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2025-MB	B048178.D	1	08/29/07	LD	n/a	n/a	VB2025

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-4, F51931-9, F51931-10, F51931-11, F51931-14

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	108%	84-120%

Blank Spike Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2024-BS	B048152.D	1	08/28/07	LD	n/a	n/a	VB2024

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	110	88	59-134
71-43-2	Benzene	25	24.5	98	83-124
75-27-4	Bromodichloromethane	25	21.2	85	76-116
75-25-2	Bromoform	25	21.8	87	68-128
108-90-7	Chlorobenzene	25	24.1	96	87-115
75-00-3	Chloroethane	25	27.6	110	54-166
67-66-3	Chloroform	25	24.3	97	85-123
75-15-0	Carbon disulfide	25	23.9	96	67-147
56-23-5	Carbon tetrachloride	25	27.3	109	74-139
75-34-3	1,1-Dichloroethane	25	25.4	102	82-127
75-35-4	1,1-Dichloroethylene	25	23.2	93	75-133
107-06-2	1,2-Dichloroethane	25	24.0	96	76-122
78-87-5	1,2-Dichloropropane	25	24.6	98	81-120
124-48-1	Dibromochloromethane	25	21.9	88	74-116
156-59-2	cis-1,2-Dichloroethylene	25	23.2	93	81-114
10061-01-5	cis-1,3-Dichloropropene	25	21.2	85	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.8	99	82-126
10061-02-6	trans-1,3-Dichloropropene	25	21.3	85*	87-123
100-41-4	Ethylbenzene	25	24.7	99	87-118
591-78-6	2-Hexanone	125	89.8	72	58-125
108-10-1	4-Methyl-2-pentanone	125	93.3	75	62-125
74-83-9	Methyl bromide	25	30.5	122	55-151
74-87-3	Methyl chloride	25	31.6	126	55-173
75-09-2	Methylene chloride	25	22.0	88	69-125
78-93-3	Methyl ethyl ketone	125	97.4	78	61-127
100-42-5	Styrene	25	19.6	78	78-118
71-55-6	1,1,1-Trichloroethane	25	24.7	99	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.5	90	71-120
79-00-5	1,1,2-Trichloroethane	25	22.1	88	80-114
127-18-4	Tetrachloroethylene	25	22.6	90	80-131
108-88-3	Toluene	25	24.0	96	86-116
79-01-6	Trichloroethylene	25	23.1	92	85-124
75-01-4	Vinyl chloride	25	27.4	110	57-153
1330-20-7	Xylene (total)	75	64.7	86	86-120

Blank Spike Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2024-BS	B048152.D	1	08/28/07	LD	n/a	n/a	VB2024

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2048-BS	C0050587.D	1	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-1, F51931-3, F51931-4, F51931-5, F51931-6, F51931-7, F51931-8, F51931-12, F51931-13, F51931-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	109	87	59-134
71-43-2	Benzene	25	29.2	117	83-124
75-27-4	Bromodichloromethane	25	27.6	110	76-116
75-25-2	Bromoform	25	28.9	116	68-128
108-90-7	Chlorobenzene	25	25.4	102	87-115
75-00-3	Chloroethane	25	28.1	112	54-166
67-66-3	Chloroform	25	27.1	108	85-123
75-15-0	Carbon disulfide	25	24.7	99	67-147
56-23-5	Carbon tetrachloride	25	27.0	108	74-139
75-34-3	1,1-Dichloroethane	25	29.4	118	82-127
75-35-4	1,1-Dichloroethylene	25	25.1	100	75-133
107-06-2	1,2-Dichloroethane	25	31.3	125*	76-122
78-87-5	1,2-Dichloropropane	25	28.7	115	81-120
124-48-1	Dibromochloromethane	25	27.0	108	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.1	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.1	108	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.1	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	31.0	124*	87-123
100-41-4	Ethylbenzene	25	26.0	104	87-118
591-78-6	2-Hexanone	125	131	105	58-125
108-10-1	4-Methyl-2-pentanone	125	128	102	62-125
74-83-9	Methyl bromide	25	29.7	119	55-151
74-87-3	Methyl chloride	25	31.0	124	55-173
75-09-2	Methylene chloride	25	26.5	106	69-125
78-93-3	Methyl ethyl ketone	125	133	106	61-127
100-42-5	Styrene	25	23.8	95	78-118
71-55-6	1,1,1-Trichloroethane	25	27.4	110	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	20.7	83	71-120
79-00-5	1,1,2-Trichloroethane	25	25.0	100	80-114
127-18-4	Tetrachloroethylene	25	27.0	108	80-131
108-88-3	Toluene	25	26.1	104	86-116
79-01-6	Trichloroethylene	25	27.0	108	85-124
75-01-4	Vinyl chloride	25	30.7	123	57-153
1330-20-7	Xylene (total)	75	78.2	104	86-120

Blank Spike Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2048-BS	C0050587.D	1	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-1, F51931-3, F51931-4, F51931-5, F51931-6, F51931-7, F51931-8, F51931-12, F51931-13, F51931-15

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	118%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2025-BS	B048179.D	1	08/29/07	LD	n/a	n/a	VB2025

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-4, F51931-9, F51931-10, F51931-11, F51931-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	160	128	59-134
71-43-2	Benzene	25	27.4	110	83-124
75-27-4	Bromodichloromethane	25	23.7	95	76-116
75-25-2	Bromoform	25	27.6	110	68-128
108-90-7	Chlorobenzene	25	26.4	106	87-115
75-00-3	Chloroethane	25	30.5	122	54-166
67-66-3	Chloroform	25	26.6	106	85-123
75-15-0	Carbon disulfide	25	28.3	113	67-147
56-23-5	Carbon tetrachloride	25	29.3	117	74-139
75-34-3	1,1-Dichloroethane	25	28.2	113	82-127
75-35-4	1,1-Dichloroethylene	25	25.6	102	75-133
107-06-2	1,2-Dichloroethane	25	27.8	111	76-122
78-87-5	1,2-Dichloropropane	25	26.7	107	81-120
124-48-1	Dibromochloromethane	25	25.0	100	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.3	101	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.8	95	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.3	109	82-126
10061-02-6	trans-1,3-Dichloropropene	25	24.9	100	87-123
100-41-4	Ethylbenzene	25	27.3	109	87-118
591-78-6	2-Hexanone	125	150	120	58-125
108-10-1	4-Methyl-2-pentanone	125	146	117	62-125
74-83-9	Methyl bromide	25	35.1	140	55-151
74-87-3	Methyl chloride	25	26.9	108	55-173
75-09-2	Methylene chloride	25	24.5	98	69-125
78-93-3	Methyl ethyl ketone	125	150	120	61-127
100-42-5	Styrene	25	22.6	90	78-118
71-55-6	1,1,1-Trichloroethane	25	27.2	109	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	29.0	116	71-120
79-00-5	1,1,2-Trichloroethane	25	27.5	110	80-114
127-18-4	Tetrachloroethylene	25	24.3	97	80-131
108-88-3	Toluene	25	26.5	106	86-116
79-01-6	Trichloroethylene	25	25.3	101	85-124
75-01-4	Vinyl chloride	25	27.0	108	57-153
1330-20-7	Xylene (total)	75	72.4	97	86-120

Blank Spike Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2025-BS	B048179.D	1	08/29/07	LD	n/a	n/a	VB2025

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-4, F51931-9, F51931-10, F51931-11, F51931-14

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	93%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51837-6MS	C0050591.D	1000	08/28/07	LD	n/a	n/a	VC2048
F51837-6MSD	C0050592.D	1000	08/28/07	LD	n/a	n/a	VC2048
F51837-6 [a]	C0050590.D	1000	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-1, F51931-3, F51931-4, F51931-5, F51931-6, F51931-7, F51931-8, F51931-12, F51931-13, F51931-15

CAS No.	Compound	F51837-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25000	U	125000	69700	56*	83700	67	18*	59-134/14
71-43-2	Benzene	1000	U	25000	26500	106	25100	100	5	83-124/11
75-27-4	Bromodichloromethane	1000	U	25000	24700	99	24000	96	3	76-116/10
75-25-2	Bromoform	1000	U	25000	26600	106	26300	105	1	68-128/11
108-90-7	Chlorobenzene	1000	U	25000	25000	100	24400	98	2	87-115/9
75-00-3	Chloroethane	2000	U	25000	34800	139	32300	129	7	54-166/20
67-66-3	Chloroform	1000	U	25000	24900	100	23900	96	4	85-123/10
75-15-0	Carbon disulfide	2000	U	25000	27200	109	24700	99	10	67-147/12
56-23-5	Carbon tetrachloride	1000	U	25000	27000	108	26000	104	4	74-139/13
75-34-3	1,1-Dichloroethane	1000	U	25000	27500	110	26000	104	6	82-127/10
75-35-4	1,1-Dichloroethylene	1000	U	25000	26000	104	24000	96	8	75-133/13
107-06-2	1,2-Dichloroethane	1000	U	25000	26700	107	26400	106	1	76-122/11
78-87-5	1,2-Dichloropropane	1000	U	25000	26400	106	25500	102	3	81-120/11
124-48-1	Dibromochloromethane	1000	U	25000	24600	98	24500	98	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	4970		25000	30100	101	29700	99	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1000	U	25000	23900	96	22900	92	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1000	U	25000	25300	101	24100	96	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1000	U	25000	26200	105	26200	105	0	87-123/10
100-41-4	Ethylbenzene	1000	U	25000	24700	99	24400	98	1	87-118/10
591-78-6	2-Hexanone	10000	U	125000	118000	94	127000	102	7	58-125/14
108-10-1	4-Methyl-2-pentanone	5000	U	125000	122000	98	128000	102	5	62-125/13
74-83-9	Methyl bromide	2000	U	25000	36900	148	33900	136	8	55-151/21
74-87-3	Methyl chloride	2000	U	25000	33300	133	31100	124	7	55-173/22
75-09-2	Methylene chloride	5000	U	25000	25500	102	24200	97	5	69-125/11
78-93-3	Methyl ethyl ketone	5000	U	125000	114000	91	125000	100	9	61-127/13
100-42-5	Styrene	1000	U	25000	22400	90	22500	90	0	78-118/11
71-55-6	1,1,1-Trichloroethane	1000	U	25000	27300	109	26100	104	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1000	U	25000	19500	78	20600	82	5	71-120/11
79-00-5	1,1,2-Trichloroethane	1000	U	25000	22700	91	23000	92	1	80-114/11
127-18-4	Tetrachloroethylene	53100		25000	81800	115	79000	104	3	80-131/12
108-88-3	Toluene	1000	U	25000	24800	99	24200	97	2	86-116/10
79-01-6	Trichloroethylene	7000		25000	32600	102	32200	101	1	85-124/10
75-01-4	Vinyl chloride	1000	U	25000	35800	143	33800	135	6	57-153/22
1330-20-7	Xylene (total)	3000	U	75000	75300	100	73800	98	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51837-6MS	C0050591.D	1000	08/28/07	LD	n/a	n/a	VC2048
F51837-6MSD	C0050592.D	1000	08/28/07	LD	n/a	n/a	VC2048
F51837-6 [a]	C0050590.D	1000	08/28/07	LD	n/a	n/a	VC2048

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-1, F51931-3, F51931-4, F51931-5, F51931-6, F51931-7, F51931-8, F51931-12, F51931-13, F51931-15

CAS No.	Surrogate Recoveries	MS	MSD	F51837-6	Limits
1868-53-7	Dibromofluoromethane	97%	98%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	109%	114%	76-127%
2037-26-5	Toluene-D8	99%	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	101%	96%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51886-11MS	B048165.D	1	08/28/07	LD	n/a	n/a	VB2024
F51886-11MSD	B048166.D	1	08/28/07	LD	n/a	n/a	VB2024
F51886-11	B048154.D	1	08/28/07	LD	n/a	n/a	VB2024

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-2

CAS No.	Compound	F51886-11 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	133	106	138	110	4	59-134/14
71-43-2	Benzene	1.0 U		25	28.9	116	27.7	111	4	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	24.0	96	24.2	97	1	76-116/10
75-25-2	Bromoform	1.0 U		25	25.2	101	25.0	100	1	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	26.9	108	26.0	104	3	87-115/9
75-00-3	Chloroethane	2.0 U		25	39.5	158	38.9	156	2	54-166/20
67-66-3	Chloroform	1.0 U		25	27.4	110	27.2	109	1	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	29.2	117	28.3	113	3	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	29.0	116	29.0	116	0	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	30.0	120	29.1	116	3	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	26.9	108	26.4	106	2	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	28.6	114	28.3	113	1	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	28.2	113	27.7	111	2	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	24.1	96	23.9	96	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.3	105	25.7	103	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	23.7	95	23.2	93	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	28.0	112	27.9	112	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	23.8	95	24.1	96	1	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	27.9	112	27.2	109	3	87-118/10
591-78-6	2-Hexanone	10 U		125	127	102	129	103	2	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	136	109	136	109	0	62-125/13
74-83-9	Methyl bromide	2.0 U		25	45.2	181*	44.7	179*	1	55-151/21
74-87-3	Methyl chloride	2.0 U		25	33.0	132	33.8	135	2	55-173/22
75-09-2	Methylene chloride	5.0 U		25	25.8	103	25.2	101	2	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	129	103	131	105	2	61-127/13
100-42-5	Styrene	1.0 U		25	22.5	90	22.0	88	2	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	27.4	110	27.9	112	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	27.7	111	28.1	112	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	27.3	109	26.8	107	2	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	23.4	94	23.3	93	0	80-131/12
108-88-3	Toluene	1.0 U		25	26.9	108	26.3	105	2	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	25.1	100	25.7	103	2	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	32.2	129	33.4	134	4	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	73.8	98	72.5	97	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51886-11MS	B048165.D	1	08/28/07	LD	n/a	n/a	VB2024
F51886-11MSD	B048166.D	1	08/28/07	LD	n/a	n/a	VB2024
F51886-11	B048154.D	1	08/28/07	LD	n/a	n/a	VB2024

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-2

CAS No.	Surrogate Recoveries	MS	MSD	F51886-11	Limits
1868-53-7	Dibromofluoromethane	105%	105%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	116%	114%	103%	76-127%
2037-26-5	Toluene-D8	98%	97%	103%	86-112%
460-00-4	4-Bromofluorobenzene	93%	95%	110%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51931-9MS	B048192.D	1	08/29/07	LD	n/a	n/a	VB2025
F51931-9MSD	B048193.D	1	08/29/07	LD	n/a	n/a	VB2025
F51931-9	B048180.D	1	08/29/07	LD	n/a	n/a	VB2025

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-4, F51931-9, F51931-10, F51931-11, F51931-14

CAS No.	Compound	F51931-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	126	101	133	106	5	59-134/14
71-43-2	Benzene	ND		25	28.4	114	28.6	114	1	83-124/11
75-27-4	Bromodichloromethane	ND		25	23.4	94	24.6	98	5	76-116/10
75-25-2	Bromoform	ND		25	23.8	95	25.1	100	5	68-128/11
108-90-7	Chlorobenzene	ND		25	26.0	104	26.8	107	3	87-115/9
75-00-3	Chloroethane	ND		25	38.7	155	39.8	159	3	54-166/20
67-66-3	Chloroform	ND		25	27.2	109	27.7	111	2	85-123/10
75-15-0	Carbon disulfide	ND		25	28.3	113	28.2	113	0	67-147/12
56-23-5	Carbon tetrachloride	ND		25	28.7	115	30.1	120	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	29.4	118	29.8	119	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	26.6	106	27.1	108	2	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	27.7	111	28.6	114	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.8	111	28.1	112	1	81-120/11
124-48-1	Dibromochloromethane	ND		25	23.2	93	24.3	97	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.1	104	26.3	105	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.6	90	23.4	94	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.6	110	28.3	113	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	22.8	91	24.1	96	6	87-123/10
100-41-4	Ethylbenzene	ND		25	27.2	109	27.7	111	2	87-118/10
591-78-6	2-Hexanone	ND		125	113	90	120	96	6	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	122	98	127	102	4	62-125/13
74-83-9	Methyl bromide	ND		25	46.2	185*	46.6	186*	1	55-151/21
74-87-3	Methyl chloride	ND		25	31.9	128	34.7	139	8	55-173/22
75-09-2	Methylene chloride	ND		25	25.4	102	25.8	103	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	117	94	122	98	4	61-127/13
100-42-5	Styrene	ND		25	21.9	88	22.3	89	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	27.2	109	28.0	112	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.6	106	27.9	112	5	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.7	103	27.0	108	5	80-114/11
127-18-4	Tetrachloroethylene	ND		25	22.7	91	23.8	95	5	80-131/12
108-88-3	Toluene	ND		25	26.1	104	26.8	107	3	86-116/10
79-01-6	Trichloroethylene	ND		25	24.7	99	26.4	106	7	85-124/10
75-01-4	Vinyl chloride	ND		25	32.4	130	34.0	136	5	57-153/22
1330-20-7	Xylene (total)	ND		75	71.8	96	74.1	99	3	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51931
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-SE

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51931-9MS	B048192.D	1	08/29/07	LD	n/a	n/a	VB2025
F51931-9MSD	B048193.D	1	08/29/07	LD	n/a	n/a	VB2025
F51931-9	B048180.D	1	08/29/07	LD	n/a	n/a	VB2025

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51931-4, F51931-9, F51931-10, F51931-11, F51931-14

CAS No.	Surrogate Recoveries	MS	MSD	F51931-9	Limits
1868-53-7	Dibromofluoromethane	105%	107%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	113%	113%	109%	76-127%
2037-26-5	Toluene-D8	97%	99%	100%	86-112%
460-00-4	4-Bromofluorobenzene	97%	96%	108%	84-120%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/05/07

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F51956

Sampling Dates: 08/18/07 - 08/20/07

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **50**

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

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **4**
2.1: F51956-1: IR78-GW32-03 5
2.2: F51956-2: IR78-GW32-02 7
2.3: F51956-3: USTHPFFC-MW19 9
2.4: F51956-4: USTHPFFC-MW02 11
2.5: F51956-5: USTHPFFC-MW60 13
2.6: F51956-6: USTHPFFC-MW12 15
2.7: F51956-7: USTHPFF-MW12 17
2.8: F51956-8: USTHPFFC-MW61 19
2.9: F51956-9: UST1115-MW20 21
2.10: F51956-10: TRIP BLANK 081707 23
2.11: F51956-11: USTHPFFC-MW19D 25
2.12: F51956-12: USTHPFFC-MW02D 27
2.13: F51956-13: USTHPFFC-MW60D 29
Section 3: Misc. Forms 31
3.1: Chain of Custody 32
Section 4: GC/MS Volatiles - QC Data Summaries **35**
4.1: Method Blank Summary 36
4.2: Blank Spike Summary 41
4.3: Matrix Spike/Matrix Spike Duplicate Summary 46

Sample Summary

Shaw E & I, Inc.

Job No: F51956

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F51956-1	08/18/07	10:00	MM	08/21/07	AQ	Ground Water	IR78-GW32-03
F51956-2	08/18/07	15:00	MM	08/21/07	AQ	Ground Water	IR78-GW32-02
F51956-3	08/20/07	07:30	MM	08/21/07	AQ	Ground Water	USTHPFFC-MW19
F51956-4	08/20/07	08:00	MM	08/21/07	AQ	Ground Water	USTHPFFC-MW02
F51956-5	08/20/07	09:30	MM	08/21/07	AQ	Ground Water	USTHPFFC-MW60
F51956-6	08/20/07	11:30	MM	08/21/07	AQ	Ground Water	USTHPFFC-MW12
F51956-7	08/20/07	12:15	MM	08/21/07	AQ	Ground Water	USTHPFF-MW12
F51956-8	08/20/07	14:30	MM	08/21/07	AQ	Ground Water	USTHPFFC-MW61
F51956-9	08/20/07	15:30	MM	08/21/07	AQ	Ground Water	UST1115-MW20
F51956-10	08/20/07	00:00	MM	08/21/07	AQ	Trip Blank Water	TRIP BLANK 081707
F51956-11	08/20/07	07:30	MM	08/21/07	AQ	Ground Water	USTHPFFC-MW19D
F51956-12	08/20/07	08:00	MM	08/21/07	AQ	Ground Water	USTHPFFC-MW02D
F51956-13	08/20/07	09:30	MM	08/21/07	AQ	Ground Water	USTHPFFC-MW60D

Sample Results

Report of Analysis

Accutest LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	IR78-GW32-03		
Lab Sample ID:	F51956-1	**Date Sampled:**	08/18/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050631.D	5	08/29/07	LD	n/a	n/a	VC2049
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	130	50	ug/l	
71-43-2	Benzene	74.6	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.5	ug/l	
75-25-2	Bromoform	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.4	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	54.0	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	1.9	ug/l	
75-09-2	Methylene chloride	ND	25	5.0	ug/l	
78-93-3	Methyl ethyl ketone	12.6	25	10	ug/l	J
100-42-5	Styrene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	321	5.0	1.4	ug/l	
79-01-6	Trichloroethylene	ND	5.0	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:	IR78-GW32-03		
Lab Sample ID:	F51956-1	**Date Sampled:**	08/18/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.0	1.7	ug/l	
1330-20-7	Xylene (total)	679	15	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

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:	IR78-GW32-02		
Lab Sample ID:	F51956-2	**Date Sampled:**	08/18/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050632.D	50	08/29/07	LD	n/a	n/a	VC2049
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	1300	500	ug/l	
71-43-2	Benzene	915	50	10	ug/l	
75-27-4	Bromodichloromethane	ND	50	15	ug/l	
75-25-2	Bromoform	ND	50	14	ug/l	
108-90-7	Chlorobenzene	ND	50	10	ug/l	
75-00-3	Chloroethane	ND	100	23	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
75-15-0	Carbon disulfide	ND	100	10	ug/l	
56-23-5	Carbon tetrachloride	ND	50	15	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	12	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	705	50	10	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	110	ug/l	
74-83-9	Methyl bromide	ND	100	27	ug/l	
74-87-3	Methyl chloride	ND	100	19	ug/l	
75-09-2	Methylene chloride	ND	250	50	ug/l	
78-93-3	Methyl ethyl ketone	ND	250	100	ug/l	
100-42-5	Styrene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	15	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	19	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	15	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	2930	50	14	ug/l	
79-01-6	Trichloroethylene	ND	50	19	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:	IR78-GW32-02		
Lab Sample ID:	F51956-2	**Date Sampled:**	08/18/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	50	17	ug/l	
1330-20-7	Xylene (total)	3200	150	28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW19		
Lab Sample ID:	F51956-3	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050633.D	200	08/29/07	LD	n/a	n/a	VC2049
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	5000	5000	2000	ug/l	
71-43-2	Benzene	13700	200	40	ug/l	
75-27-4	Bromodichloromethane	ND	200	58	ug/l	
75-25-2	Bromoform	ND	200	56	ug/l	
108-90-7	Chlorobenzene	ND	200	40	ug/l	
75-00-3	Chloroethane	ND	400	92	ug/l	
67-66-3	Chloroform	81.5	200	42	ug/l	J
75-15-0	Carbon disulfide	ND	400	40	ug/l	
56-23-5	Carbon tetrachloride	ND	200	58	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	46	ug/l	
107-06-2	1,2-Dichloroethane	2130	200	40	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	50	ug/l	
124-48-1	Dibromochloromethane	ND	200	40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	200	56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	42	ug/l	
100-41-4	Ethylbenzene	970	200	40	ug/l	
591-78-6	2-Hexanone	ND	2000	570	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	440	ug/l	
74-83-9	Methyl bromide	ND	400	110	ug/l	
74-87-3	Methyl chloride	ND	400	76	ug/l	
75-09-2	Methylene chloride [a]	668	1000	200	ug/l	J
78-93-3	Methyl ethyl ketone	1830	1000	400	ug/l	
100-42-5	Styrene	ND	200	40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	60	ug/l	
127-18-4	Tetrachloroethylene	ND	200	50	ug/l	
108-88-3	Toluene	11200	200	54	ug/l	
79-01-6	Trichloroethylene	ND	200	76	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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW19		
Lab Sample ID:	F51956-3	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	200	68	ug/l	
1330-20-7	Xylene (total)	3350	600	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	114%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

(a) Suspected laboratory contaminant.

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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW02		
Lab Sample ID:	F51956-4	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050618.D	1	08/29/07	LD	n/a	n/a	VC2049
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW02		
Lab Sample ID:	F51956-4	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	113%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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:	USTHPFFC-MW60		
Lab Sample ID:	F51956-5	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050634.D	100	08/29/07	LD	n/a	n/a	VC2049
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	2500	1000	ug/l	
71-43-2	Benzene	6700	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	47.9	100	21	ug/l	J
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	57.0	100	20	ug/l	J
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride	ND	500	100	ug/l	
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	ND	100	27	ug/l	
79-01-6	Trichloroethylene	ND	100	38	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:	USTHPFFC-MW60		
Lab Sample ID:	F51956-5	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	ND	300	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW12		
Lab Sample ID:	F51956-6	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050619.D	1	08/29/07	LD	n/a	n/a	VC2049
Run #2	B048242.D	5	08/31/07	LD	n/a	n/a	VB2027

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	47.0	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.1	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	505 [a]	25	10	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.53	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW12		
Lab Sample ID:	F51956-6	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	111%	76-127%
2037-26-5	Toluene-D8	102%	102%	86-112%
460-00-4	4-Bromofluorobenzene	117%	104%	84-120%

(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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFF-MW12		
Lab Sample ID:	F51956-7	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050635.D	20	08/29/07	LD	n/a	n/a	VC2049
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	500	200	ug/l	
71-43-2	Benzene	758	20	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.8	ug/l	
75-25-2	Bromoform	ND	20	5.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.0	ug/l	
75-00-3	Chloroethane	ND	40	9.2	ug/l	
67-66-3	Chloroform	7.7	20	4.2	ug/l	J
75-15-0	Carbon disulfide	ND	40	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	4.6	ug/l	
107-06-2	1,2-Dichloroethane	75.1	20	4.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	5.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.8	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	88.6	20	4.0	ug/l	
591-78-6	2-Hexanone	ND	200	57	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	44	ug/l	
74-83-9	Methyl bromide	ND	40	11	ug/l	
74-87-3	Methyl chloride	ND	40	7.6	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
78-93-3	Methyl ethyl ketone	50.5	100	40	ug/l	J
100-42-5	Styrene	ND	20	4.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	7.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	6.0	ug/l	
127-18-4	Tetrachloroethylene	ND	20	5.0	ug/l	
108-88-3	Toluene	717	20	5.4	ug/l	
79-01-6	Trichloroethylene	ND	20	7.6	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:	USTHPFF-MW12		
Lab Sample ID:	F51956-7	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	20	6.8	ug/l	
1330-20-7	Xylene (total)	392	60	11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW61		
Lab Sample ID:	F51956-8	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050620.D	1	08/29/07	LD	n/a	n/a	VC2049
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW61		
Lab Sample ID:	F51956-8	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	115%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	UST1115-MW20		
Lab Sample ID:	F51956-9	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050636.D	200	08/30/07	LD	n/a	n/a	VC2049
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	5000	2000	ug/l	
71-43-2	Benzene	18700	200	40	ug/l	
75-27-4	Bromodichloromethane	ND	200	58	ug/l	
75-25-2	Bromoform	ND	200	56	ug/l	
108-90-7	Chlorobenzene	ND	200	40	ug/l	
75-00-3	Chloroethane	ND	400	92	ug/l	
67-66-3	Chloroform	ND	200	42	ug/l	
75-15-0	Carbon disulfide	ND	400	40	ug/l	
56-23-5	Carbon tetrachloride	ND	200	58	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	46	ug/l	
107-06-2	1,2-Dichloroethane	ND	200	40	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	50	ug/l	
124-48-1	Dibromochloromethane	ND	200	40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	200	56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	42	ug/l	
100-41-4	Ethylbenzene	1190	200	40	ug/l	
591-78-6	2-Hexanone	ND	2000	570	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	440	ug/l	
74-83-9	Methyl bromide	ND	400	110	ug/l	
74-87-3	Methyl chloride	ND	400	76	ug/l	
75-09-2	Methylene chloride	ND	1000	200	ug/l	
78-93-3	Methyl ethyl ketone	ND	1000	400	ug/l	
100-42-5	Styrene	ND	200	40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	60	ug/l	
127-18-4	Tetrachloroethylene	ND	200	50	ug/l	
108-88-3	Toluene	106	200	54	ug/l	J
79-01-6	Trichloroethylene	ND	200	76	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:	UST1115-MW20		
Lab Sample ID:	F51956-9	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	200	68	ug/l	
1330-20-7	Xylene (total)	2510	600	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	TRIP BLANK 081707		
Lab Sample ID:	F51956-10	**Date Sampled:**	08/20/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050630.D	1	08/29/07	LD	n/a	n/a	VC2049
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	TRIP BLANK 081707		
Lab Sample ID:	F51956-10	**Date Sampled:**	08/20/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		87-116%
17060-07-0	1,2-Dichloroethane-D4	113%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW19D		
Lab Sample ID:	F51956-11	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050637.D	200	08/30/07	LD	n/a	n/a	VC2049
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	4640	5000	2000	ug/l	J
71-43-2	Benzene	14100	200	40	ug/l	
75-27-4	Bromodichloromethane	ND	200	58	ug/l	
75-25-2	Bromoform	ND	200	56	ug/l	
108-90-7	Chlorobenzene	ND	200	40	ug/l	
75-00-3	Chloroethane	ND	400	92	ug/l	
67-66-3	Chloroform	ND	200	42	ug/l	
75-15-0	Carbon disulfide	ND	400	40	ug/l	
56-23-5	Carbon tetrachloride	ND	200	58	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	46	ug/l	
107-06-2	1,2-Dichloroethane	2150	200	40	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	50	ug/l	
124-48-1	Dibromochloromethane	ND	200	40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	200	56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	42	ug/l	
100-41-4	Ethylbenzene	964	200	40	ug/l	
591-78-6	2-Hexanone	ND	2000	570	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	440	ug/l	
74-83-9	Methyl bromide	ND	400	110	ug/l	
74-87-3	Methyl chloride	ND	400	76	ug/l	
75-09-2	Methylene chloride	ND	1000	200	ug/l	
78-93-3	Methyl ethyl ketone	1720	1000	400	ug/l	
100-42-5	Styrene	ND	200	40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	60	ug/l	
127-18-4	Tetrachloroethylene	ND	200	50	ug/l	
108-88-3	Toluene	11600	200	54	ug/l	
79-01-6	Trichloroethylene	ND	200	76	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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW19D		
Lab Sample ID:	F51956-11	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	200	68	ug/l	
1330-20-7	Xylene (total)	3390	600	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW02D		
Lab Sample ID:	F51956-12	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050621.D	1	08/29/07	LD	n/a	n/a	VC2049
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW02D		
Lab Sample ID:	F51956-12	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	115%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

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 LabLink@68173 10:33 05-Sep-2007

Report of Analysis

Client Sample ID:	USTHPFFC-MW60D		
Lab Sample ID:	F51956-13	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048214.D	100	08/30/07	LD	n/a	n/a	VB2026
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	2500	1000	ug/l	
71-43-2	Benzene	8170	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	ND	100	21	ug/l	
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	ND	100	20	ug/l	
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride	ND	500	100	ug/l	
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	ND	100	27	ug/l	
79-01-6	Trichloroethylene	ND	100	38	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:	USTHPFFC-MW60D		
Lab Sample ID:	F51956-13	**Date Sampled:**	08/20/07
Matrix:	AQ - Ground Water	**Date Received:**	08/21/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	ND	300	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

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

F51956

COC Number:
125709-HPFF-082007-1

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	IR78-GW32-03	8/18/07	10:00		X	IR78-GW32-03	3	X
2	IR78-GW32-02	8/18/07	15:00		X	IR78-GW32-02	3	X
3	USTHPFFC-MW19	8/20/07	7:30		X	USTHPFFC-MW19	3	X
4	USTHPFFC-MW02	8/20/07	8:00		X	USTHPFFC-MW02	3	X
5	USTHPFFC-MW60	8/20/07	9:30		X	USTHPFFC-MW60	3	X
6	USTHPFFC-MW12	8/20/07	11:30		X	USTHPFFC-MW12	3	X
7	USTHPFF-MW12	8/20/07	12:15		X	USTHPFF-MW12	3	X
8	USTHPFFC-MW61	8/20/07	14:30		X	USTHPFFC-MW61	3	X
9	UST1115-MW20	8/20/07	15:30		X	UST1115-MW20	3	X
10	Trip Blank 081707	8/20/07			X	Trip Blank	2	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 – 10	[signature]	FedEx 8600 4340 3890	8/20/07	18:00	14 Day TAT
2		FX	[signature]	8/21/07	09:45	
3		[signature]				

40°

F51956: Chain of Custody
Page 1 of 3

COC Number:
125709-HPFF-082007-2

Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	Analysis Desired
1	USTHPFFC-MW19D	8/20/07	7:30		X	USTHPFFC-MW19DUP	3	X	
2	USTHPFFC-MW02D	8/20/07	8:00		X	USTHPFFC-MW02DUP	3	X	
3	USTHPFFC-MW60D	8/20/07	9:30		X	USTHPFFC-MW60DUP	3	X	
4									
5									
6									
7									
8									
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 3	[signature]	FedEx 8600 4340 3890	8/20/07	18:00	14 Day TAT
2		FX	[signature]	8/21/07	09:45	
3		[signature]				

4.0

F51956: Chain of Custody
Page 2 of 3

ACCUTEST
F51956

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F51956 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 8-21-07 09:45 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 4.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 86000 4340 3890

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [X] 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
- [ ] 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)
- [X] 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 ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Sample # 3 (MW-19 8-20-07) vials do not have time, Sample # 11 (MW19D 8-20-07) does not have time on vials, Sample # 13 (MW60D 8-20-07 @ 9:30) vials read MW60 ; CoC reads MW60D

TECHNICIAN SIGNATURE/DATE E.T. 8-21-07 TECHNICIAN SIGNATURE/DATE JC 8-21-07 ASBD 10/03/06

F51956: Chain of Custody
Page 3 of 3

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: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2049-MB	C0050615.D	1	08/29/07	LD	n/a	n/a	VC2049

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-1, F51956-2, F51956-3, F51956-4, F51956-5, F51956-6, F51956-7, F51956-8, F51956-9, F51956-10, F51956-11, F51956-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2049-MB	C0050615.D	1	08/29/07	LD	n/a	n/a	VC2049

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-1, F51956-2, F51956-3, F51956-4, F51956-5, F51956-6, F51956-7, F51956-8, F51956-9, F51956-10, F51956-11, F51956-12

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2026-MB	B048208.D	1	08/30/07	LD	n/a	n/a	VB2026

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-13

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2026-MB	B048208.D	1	08/30/07	LD	n/a	n/a	VB2026

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-13

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	113%	84-120%

Method Blank Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2027-MB	B048234.D	1	08/31/07	LD	n/a	n/a	VB2027

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-6

CAS No.	Compound	Result	RL	MDL	Units	Q
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	111%	84-120%

Blank Spike Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2049-BS	C0050614.D	1	08/29/07	LD	n/a	n/a	VC2049

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-1, F51956-2, F51956-3, F51956-4, F51956-5, F51956-6, F51956-7, F51956-8, F51956-9, F51956-10, F51956-11, F51956-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	98.2	79	59-134
71-43-2	Benzene	25	27.1	108	83-124
75-27-4	Bromodichloromethane	25	25.2	101	76-116
75-25-2	Bromoform	25	28.1	112	68-128
108-90-7	Chlorobenzene	25	25.7	103	87-115
75-00-3	Chloroethane	25	34.3	137	54-166
67-66-3	Chloroform	25	25.3	101	85-123
75-15-0	Carbon disulfide	25	28.2	113	67-147
56-23-5	Carbon tetrachloride	25	28.4	114	74-139
75-34-3	1,1-Dichloroethane	25	27.4	110	82-127
75-35-4	1,1-Dichloroethylene	25	26.3	105	75-133
107-06-2	1,2-Dichloroethane	25	26.9	108	76-122
78-87-5	1,2-Dichloropropane	25	25.6	102	81-120
124-48-1	Dibromochloromethane	25	25.9	104	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.8	95	83-119
156-60-5	trans-1,2-Dichloroethylene	25	25.2	101	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.1	104	87-123
100-41-4	Ethylbenzene	25	25.3	101	87-118
591-78-6	2-Hexanone	125	144	115	58-125
108-10-1	4-Methyl-2-pentanone	125	136	109	62-125
74-83-9	Methyl bromide	25	36.1	144	55-151
74-87-3	Methyl chloride	25	40.3	161	55-173
75-09-2	Methylene chloride	25	26.0	104	69-125
78-93-3	Methyl ethyl ketone	125	127	102	61-127
100-42-5	Styrene	25	23.2	93	78-118
71-55-6	1,1,1-Trichloroethane	25	28.0	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.3	89	71-120
79-00-5	1,1,2-Trichloroethane	25	23.9	96	80-114
127-18-4	Tetrachloroethylene	25	26.8	107	80-131
108-88-3	Toluene	25	24.8	99	86-116
79-01-6	Trichloroethylene	25	26.7	107	85-124
75-01-4	Vinyl chloride	25	39.3	157*	57-153
1330-20-7	Xylene (total)	75	75.4	101	86-120

Blank Spike Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2049-BS	C0050614.D	1	08/29/07	LD	n/a	n/a	VC2049

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-1, F51956-2, F51956-3, F51956-4, F51956-5, F51956-6, F51956-7, F51956-8, F51956-9, F51956-10, F51956-11, F51956-12

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Blank Spike Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2026-BS	B048207.D	1	08/30/07	LD	n/a	n/a	VB2026

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	131	105	59-134
71-43-2	Benzene	25	29.7	119	83-124
75-27-4	Bromodichloromethane	25	26.3	105	76-116
75-25-2	Bromoform	25	25.9	104	68-128
108-90-7	Chlorobenzene	25	28.2	113	87-115
75-00-3	Chloroethane	25	37.5	150	54-166
67-66-3	Chloroform	25	29.7	119	85-123
75-15-0	Carbon disulfide	25	29.8	119	67-147
56-23-5	Carbon tetrachloride	25	33.0	132	74-139
75-34-3	1,1-Dichloroethane	25	30.9	124	82-127
75-35-4	1,1-Dichloroethylene	25	28.1	112	75-133
107-06-2	1,2-Dichloroethane	25	29.1	116	76-122
78-87-5	1,2-Dichloropropane	25	29.6	118	81-120
124-48-1	Dibromochloromethane	25	25.6	102	74-116
156-59-2	cis-1,2-Dichloroethylene	25	28.6	114	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.7	103	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.9	120	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.3	101	87-123
100-41-4	Ethylbenzene	25	29.3	117	87-118
591-78-6	2-Hexanone	125	113	90	58-125
108-10-1	4-Methyl-2-pentanone	125	116	93	62-125
74-83-9	Methyl bromide	25	40.5	162*	55-151
74-87-3	Methyl chloride	25	39.0	156	55-173
75-09-2	Methylene chloride	25	26.5	106	69-125
78-93-3	Methyl ethyl ketone	125	115	92	61-127
100-42-5	Styrene	25	23.4	94	78-118
71-55-6	1,1,1-Trichloroethane	25	29.4	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.3	105	71-120
79-00-5	1,1,2-Trichloroethane	25	27.8	111	80-114
127-18-4	Tetrachloroethylene	25	25.9	104	80-131
108-88-3	Toluene	25	29.0	116	86-116
79-01-6	Trichloroethylene	25	27.7	111	85-124
75-01-4	Vinyl chloride	25	34.4	138	57-153
1330-20-7	Xylene (total)	75	77.5	103	86-120

Blank Spike Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2026-BS	B048207.D	1	08/30/07	LD	n/a	n/a	VB2026

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-13

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	109%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2027-BS	B048233.D	1	08/31/07	LD	n/a	n/a	VB2027

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
78-93-3	Methyl ethyl ketone	125	121	97	61-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	113%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51882-1MS	C0050628.D	1	08/29/07	LD	n/a	n/a	VC2049
F51882-1MSD	C0050629.D	1	08/29/07	LD	n/a	n/a	VC2049
F51882-1 [a]	C0050622.D	1	08/29/07	LD	n/a	n/a	VC2049

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-1, F51956-2, F51956-3, F51956-4, F51956-5, F51956-6, F51956-7, F51956-8, F51956-9, F51956-10, F51956-11, F51956-12

CAS No.	Compound	F51882-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	85.8	69	134	107	44*	59-134/14
71-43-2	Benzene	ND		25	26.9	108	26.4	106	2	83-124/11
75-27-4	Bromodichloromethane	ND		25	25.0	100	25.3	101	1	76-116/10
75-25-2	Bromoform	ND		25	24.6	98	25.7	103	4	68-128/11
108-90-7	Chlorobenzene	ND		25	24.6	98	24.7	99	0	87-115/9
75-00-3	Chloroethane	ND		25	32.0	128	26.4	106	19	54-166/20
67-66-3	Chloroform	ND		25	25.0	100	25.6	102	2	85-123/10
75-15-0	Carbon disulfide	ND		25	25.9	104	23.6	94	9	67-147/12
56-23-5	Carbon tetrachloride	ND		25	27.4	110	27.4	110	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.2	109	28.5	114	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	24.5	98	24.5	98	0	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	26.1	104	26.3	105	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.9	104	25.3	101	2	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.7	99	25.2	101	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	23.8	95	25.2	101	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	21.9	88	22.5	90	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	24.0	96	26.0	104	8	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	23.7	95	25.1	100	6	87-123/10
100-41-4	Ethylbenzene	ND		25	24.0	96	24.2	97	1	87-118/10
591-78-6	2-Hexanone	ND		125	116	93	129	103	11	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	124	99	132	106	6	62-125/13
74-83-9	Methyl bromide	ND		25	33.8	135	28.2	113	18	55-151/21
74-87-3	Methyl chloride	ND		25	36.0	144	31.7	127	13	55-173/22
75-09-2	Methylene chloride	ND		25	22.8	91	23.4	94	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	112	90	127	102	13	61-127/13
100-42-5	Styrene	ND		25	22.2	89	21.9	88	1	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.6	106	27.2	109	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.2	97	25.7	103	6	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.8	91	23.3	93	2	80-114/11
127-18-4	Tetrachloroethylene	ND		25	24.7	99	25.2	101	2	80-131/12
108-88-3	Toluene	ND		25	24.2	97	24.4	98	1	86-116/10
79-01-6	Trichloroethylene	ND		25	22.9	92	22.6	90	1	85-124/10
75-01-4	Vinyl chloride	ND		25	35.2	141	31.8	127	10	57-153/22
1330-20-7	Xylene (total)	ND		75	72.7	97	71.8	96	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F51882-1MS	C0050628.D	1	08/29/07	LD	n/a	n/a	VC2049
F51882-1MSD	C0050629.D	1	08/29/07	LD	n/a	n/a	VC2049
F51882-1 [a]	C0050622.D	1	08/29/07	LD	n/a	n/a	VC2049

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-1, F51956-2, F51956-3, F51956-4, F51956-5, F51956-6, F51956-7, F51956-8, F51956-9, F51956-10, F51956-11, F51956-12

CAS No.	Surrogate Recoveries	MS	MSD	F51882-1	Limits
1868-53-7	Dibromofluoromethane	104%	108%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	111%	115%	76-127%
2037-26-5	Toluene-D8	97%	97%	105%	86-112%
460-00-4	4-Bromofluorobenzene	98%	102%	104%	84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52094-3MS	B048220.D	1	08/30/07	LD	n/a	n/a	VB2026
F52094-3MSD	B048221.D	1	08/30/07	LD	n/a	n/a	VB2026
F52094-3	B048215.D	1	08/30/07	LD	n/a	n/a	VB2026

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-13

CAS No.	Compound	F52094-3 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	135	108	134	107	1	59-134/14
71-43-2	Benzene	1.0 U		25	30.8	123	29.5	118	4	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	25.3	101	25.5	102	1	76-116/10
75-25-2	Bromoform	1.0 U		25	25.2	101	25.9	104	3	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	28.1	112	27.1	108	4	87-115/9
75-00-3	Chloroethane	2.0 U		25	42.5	170*	41.9	168*	1	54-166/20
67-66-3	Chloroform	1.0 U		25	29.6	118	28.9	116	2	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	30.2	121	29.3	117	3	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	31.5	126	31.5	126	0	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	31.6	126	31.0	124	2	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	28.6	114	28.5	114	0	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	30.3	121	29.0	116	4	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	29.6	118	29.1	116	2	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	24.9	100	25.3	101	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	27.4	110	27.3	109	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.8	99	24.7	99	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	29.6	118	29.4	118	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	24.8	99	25.2	101	2	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	29.2	117	28.7	115	2	87-118/10
591-78-6	2-Hexanone	10 U		125	122	98	123	98	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	133	106	135	108	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	52.6	210*	50.7	203*	4	55-151/21
74-87-3	Methyl chloride	0.80	I	25	36.3	142	36.5	143	1	55-173/22
75-09-2	Methylene chloride	4.6	I	25	31.3	107	31.2	106	0	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	129	103	131	105	2	61-127/13
100-42-5	Styrene	1.0 U		25	23.4	94	23.0	92	2	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	29.2	117	28.6	114	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	29.0	116	28.9	116	0	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	28.3	113	28.3	113	0	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	24.5	98	24.2	97	1	80-131/12
108-88-3	Toluene	1.0 U		25	28.1	112	27.9	112	1	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	26.5	106	27.0	108	2	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	34.6	138	36.3	145	5	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	77.5	103	75.7	101	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52094-3MS	B048220.D	1	08/30/07	LD	n/a	n/a	VB2026
F52094-3MSD	B048221.D	1	08/30/07	LD	n/a	n/a	VB2026
F52094-3	B048215.D	1	08/30/07	LD	n/a	n/a	VB2026

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-13

CAS No.	Surrogate Recoveries	MS	MSD	F52094-3	Limits
1868-53-7	Dibromofluoromethane	106%	106%	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	116%	116%	108%	76-127%
2037-26-5	Toluene-D8	99%	98%	102%	86-112%
460-00-4	4-Bromofluorobenzene	96%	96%	108%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F51956
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52078-1MS	B048251.D	1	08/31/07	LD	n/a	n/a	VB2027
F52078-1MSD	B048252.D	1	08/31/07	LD	n/a	n/a	VB2027
F52078-1	B048238.D	1	08/31/07	LD	n/a	n/a	VB2027

The QC reported here applies to the following samples: **Method:** SW846 8260B

F51956-6

CAS No.	Compound	F52078-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
78-93-3	Methyl ethyl ketone	ND		125	129	103	118	94	9	61-127/13

CAS No.	Surrogate Recoveries	MS	MSD	F52078-1	Limits
1868-53-7	Dibromofluoromethane	106%	104%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	115%	112%	108%	76-127%
2037-26-5	Toluene-D8	98%	98%	102%	86-112%
460-00-4	4-Bromofluorobenzene	96%	100%	110%	84-120%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/07/07

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F52022

Sampling Dates: 08/21/07 - 08/22/07

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: **58**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Table of Contents

Sections: 1 2 3 4

Section 1: Sample Summary **3**
Section 2: Sample Results **5**
2.1: F52022-1: USTHPFF-MW06 6
2.2: F52022-2: USTHPFF-MW10R 8
2.3: F52022-3: USTHPFFC-MW36 10
2.4: F52022-4: UST1115-MW01 12
2.5: F52022-5: UST1115GT-MW07 14
2.6: F52022-6: UST1115-MW07 16
2.7: F52022-7: UST1115-MW09 18
2.8: F52022-8: UST1115-MW18 20
2.9: F52022-9: UST1115-MW23 22
2.10: F52022-10: UST1115GT-MW09 24
2.11: F52022-11: UST1115-MW17 26
2.12: F52022-12: UST1115-MW22 28
2.13: F52022-13: UST1115-MW04 30
2.14: F52022-14: UST1115-MW14 32
2.15: F52022-15: TRIP BLANK 082207 34
Section 3: Misc. Forms 36
3.1: Chain of Custody 37
Section 4: GC/MS Volatiles - QC Data Summaries **40**
4.1: Method Blank Summary 41
4.2: Blank Spike Summary 47
4.3: Matrix Spike/Matrix Spike Duplicate Summary 53

Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F52022

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F52022-1	08/21/07	10:30	MM	08/23/07	AQ	Ground Water	USTHPFF-MW06
F52022-2	08/21/07	11:30	MM	08/23/07	AQ	Ground Water	USTHPFF-MW10R
F52022-3	08/21/07	13:30	MM	08/23/07	AQ	Ground Water	USTHPFFC-MW36
F52022-4	08/21/07	14:00	MM	08/23/07	AQ	Ground Water	UST1115-MW01
F52022-5	08/21/07	14:45	MM	08/23/07	AQ	Ground Water	UST1115GT-MW07
F52022-6	08/22/07	08:30	MM	08/23/07	AQ	Ground Water	UST1115-MW07
F52022-7	08/22/07	09:00	MM	08/23/07	AQ	Ground Water	UST1115-MW09
F52022-8	08/22/07	10:00	MM	08/23/07	AQ	Ground Water	UST1115-MW18
F52022-9	08/22/07	10:20	MM	08/23/07	AQ	Ground Water	UST1115-MW23
F52022-10	08/22/07	10:30	MM	08/23/07	AQ	Ground Water	UST1115GT-MW09
F52022-11	08/22/07	11:45	MM	08/23/07	AQ	Ground Water	UST1115-MW17
F52022-12	08/22/07	12:05	MM	08/23/07	AQ	Ground Water	UST1115-MW22
F52022-13	08/22/07	12:40	MM	08/23/07	AQ	Ground Water	UST1115-MW04

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F52022

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F52022-14	08/22/07	15:00	MM	08/23/07	AQ	Ground Water	UST1115-MW14
F52022-15	08/22/07	00:00	MM	08/23/07	AQ	Trip Blank Water	TRIP BLANK 082207

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFF-MW06		
Lab Sample ID:	F52022-1	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048243.D	1	08/31/07	LD	n/a	n/a	VB2027
Run #2 [a]	M0021983.D	5	08/30/07	MM	n/a	n/a	VM900

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	38.1	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	12.8	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	19.7	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFF-MW06		
Lab Sample ID:	F52022-1	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	34.3	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	119%	105%	76-127%
2037-26-5	Toluene-D8	93%	99%	86-112%
460-00-4	4-Bromofluorobenzene	100%	96%	84-120%

(a) Confirmation run.

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:	USTHPFF-MW10R		
Lab Sample ID:	F52022-2	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021988.D	20	08/30/07	MM	n/a	n/a	VM900
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	500	200	ug/l	
71-43-2	Benzene	1240	20	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.8	ug/l	
75-25-2	Bromoform	ND	20	5.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.0	ug/l	
75-00-3	Chloroethane	ND	40	9.2	ug/l	
67-66-3	Chloroform	10.0	20	4.2	ug/l	JB
75-15-0	Carbon disulfide	ND	40	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	4.6	ug/l	
107-06-2	1,2-Dichloroethane	28.6	20	4.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	5.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.8	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	307	20	4.0	ug/l	
591-78-6	2-Hexanone	ND	200	57	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	44	ug/l	
74-83-9	Methyl bromide	ND	40	11	ug/l	
74-87-3	Methyl chloride	ND	40	7.6	ug/l	
75-09-2	Methylene chloride [a]	76.9	100	20	ug/l	J
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
100-42-5	Styrene	ND	20	4.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	7.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	6.0	ug/l	
127-18-4	Tetrachloroethylene	ND	20	5.0	ug/l	
108-88-3	Toluene	828	20	5.4	ug/l	
79-01-6	Trichloroethylene	ND	20	7.6	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:	USTHPFF-MW10R		
Lab Sample ID:	F52022-2	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	20	6.8	ug/l	
1330-20-7	Xylene (total)	1320	60	11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Suspected laboratory contaminant.

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:	USTHPFFC-MW36		
Lab Sample ID:	F52022-3	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021981.D	1	08/30/07	MM	n/a	n/a	VM900
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW36		
Lab Sample ID:	F52022-3	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

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:	UST1115-MW01		
Lab Sample ID:	F52022-4	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021982.D	1	08/30/07	MM	n/a	n/a	VM900
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.89	1.0	0.25	ug/l	J
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW01		
Lab Sample ID:	F52022-4	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

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:	UST1115GT-MW07		
Lab Sample ID:	F52022-5	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021986.D	1	08/30/07	MM	n/a	n/a	VM900
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	10	ug/l	
71-43-2	Benzene	0.65	1.0	0.20	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	0.49	2.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	3.0	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.42	1.0	0.25	ug/l	J
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.35	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.95	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115GT-MW07		
Lab Sample ID:	F52022-5	**Date Sampled:**	08/21/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	1.7	3.0	0.56	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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:	UST1115-MW07		
Lab Sample ID:	F52022-6	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021990.D	100	08/30/07	MM	n/a	n/a	VM900
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	2500	1000	ug/l	
71-43-2	Benzene	6230	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	46.6	100	21	ug/l	JB
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1560	100	20	ug/l	
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride [a]	143	500	100	ug/l	J
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	8400	100	27	ug/l	
79-01-6	Trichloroethylene	ND	100	38	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:	UST1115-MW07		
Lab Sample ID:	F52022-6	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	3920	300	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Suspected laboratory contaminant.

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:	UST1115-MW09		
Lab Sample ID:	F52022-7	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048244.D	2	08/31/07	LD	n/a	n/a	VB2027
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	50	20	ug/l	
71-43-2	Benzene	120	2.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.58	ug/l	
75-25-2	Bromoform	ND	2.0	0.56	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	0.92	ug/l	
67-66-3	Chloroform	ND	2.0	0.42	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.58	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.46	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.40	ug/l	
591-78-6	2-Hexanone	ND	20	5.7	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.4	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.1	ug/l	
74-87-3	Methyl chloride	ND	4.0	0.76	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	4.0	ug/l	
100-42-5	Styrene	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.76	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:	UST1115-MW09		
Lab Sample ID:	F52022-7	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.68	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	113%		84-120%

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:	UST1115-MW18		
Lab Sample ID:	F52022-8	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048280.D	1	09/04/07	LD	n/a	n/a	VB2028
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	10	ug/l	
71-43-2	Benzene	5.5	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	86.7	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	2.8	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	55.1	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.27	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW18		
Lab Sample ID:	F52022-8	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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:	UST1115-MW23		
Lab Sample ID:	F52022-9	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048246.D	5	08/31/07	LD	n/a	n/a	VB2027
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	130	50	ug/l	
71-43-2	Benzene	ND	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.5	ug/l	
75-25-2	Bromoform	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	330	5.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.4	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	1.9	ug/l	
75-09-2	Methylene chloride	18.7	25	5.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
100-42-5	Styrene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	ND	5.0	1.4	ug/l	
79-01-6	Trichloroethylene	ND	5.0	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1115-MW23		
Lab Sample ID:	F52022-9	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.0	1.7	ug/l	
1330-20-7	Xylene (total)	ND	15	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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:	UST1115GT-MW09		
Lab Sample ID:	F52022-10	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0021987.D	1	08/30/07	MM	n/a	n/a	VM900
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	10	ug/l	
71-43-2	Benzene	21.4	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	1.4	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.60	1.0	0.38	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:	UST1115GT-MW09		
Lab Sample ID:	F52022-10	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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:	UST1115-MW17		
Lab Sample ID:	F52022-11	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048281.D	5	09/04/07	LD	n/a	n/a	VB2028
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	130	50	ug/l	
71-43-2	Benzene	304	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.5	ug/l	
75-25-2	Bromoform	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.3	ug/l	
67-66-3	Chloroform	2.1	5.0	1.1	ug/l	J
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.4	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	29.6	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	1.9	ug/l	
75-09-2	Methylene chloride	ND	25	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
100-42-5	Styrene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	ND	5.0	1.4	ug/l	
79-01-6	Trichloroethylene	ND	5.0	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1115-MW17		
Lab Sample ID:	F52022-11	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.0	1.7	ug/l	
1330-20-7	Xylene (total)	7.3	15	2.8	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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:	UST1115-MW22		
Lab Sample ID:	F52022-12	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048248.D	10	08/31/07	LD	n/a	n/a	VB2027
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	250	100	ug/l	
71-43-2	Benzene	600	10	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.9	ug/l	
75-25-2	Bromoform	ND	10	2.8	ug/l	
108-90-7	Chlorobenzene	ND	10	2.0	ug/l	
75-00-3	Chloroethane	ND	20	4.6	ug/l	
67-66-3	Chloroform	4.3	10	2.1	ug/l	J
75-15-0	Carbon disulfide	ND	20	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.5	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.5	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	2.0	ug/l	
591-78-6	2-Hexanone	ND	100	29	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	22	ug/l	
74-83-9	Methyl bromide	ND	20	5.4	ug/l	
74-87-3	Methyl chloride	ND	20	3.8	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	3.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.5	ug/l	
108-88-3	Toluene	ND	10	2.7	ug/l	
79-01-6	Trichloroethylene	ND	10	3.8	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:	UST1115-MW22		
Lab Sample ID:	F52022-12	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	10	3.4	ug/l	
1330-20-7	Xylene (total)	ND	30	5.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

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:	UST1115-MW04		
Lab Sample ID:	F52022-13	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048249.D	1	08/31/07	LD	n/a	n/a	VB2027
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.39	2.0	0.38	ug/l	J
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW04		
Lab Sample ID:	F52022-13	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

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:	UST1115-MW14		
Lab Sample ID:	F52022-14	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048278.D	2	09/04/07	LD	n/a	n/a	VB2028
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	50	20	ug/l	
71-43-2	Benzene	170	2.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.58	ug/l	
75-25-2	Bromoform	ND	2.0	0.56	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	0.92	ug/l	
67-66-3	Chloroform	ND	2.0	0.42	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.58	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.46	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.40	ug/l	
591-78-6	2-Hexanone	ND	20	5.7	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.4	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.1	ug/l	
74-87-3	Methyl chloride	ND	4.0	0.76	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	4.0	ug/l	
100-42-5	Styrene	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.76	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:	UST1115-MW14		
Lab Sample ID:	F52022-14	**Date Sampled:**	08/22/07
Matrix:	AQ - Ground Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.68	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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 082207		
Lab Sample ID:	F52022-15	**Date Sampled:**	08/22/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048268.D	1	09/04/07	LD	n/a	n/a	VB2028
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.77	1.0	0.21	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 082207		
Lab Sample ID:	F52022-15	**Date Sampled:**	08/22/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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: 125709-HPFF-082207-1 F52022

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390 | Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	USTHPFF-MW06	8/21/07	10:30		X	USTHPFF-MW06	3	X
2	USTHPFF-MW10R	8/21/07	11:30		X	USTHPFF-MW10R	3	X
3	USTHPFFC-MW36	8/21/07	13:30		X	USTHPFFC-MW36	3	X
4	UST1115-MW01	8/21/07	14:00		X	UST1115-MW01	3	X
5	UST1115GT-MW07	8/21/07	14:45		X	UST1115GT-MW07	3	X
6	UST1115-MW07	8/22/07	8:30		X	UST1115-MW07	3	X
7	UST1115-MW09	8/22/07	9:00		X	UST1115-MW09	3	X
8	UST1115-MW18	8/22/07	10:00		X	UST1115-MW18	3	X
9	UST1115-MW23	8/22/07	10:20		X	UST1115-MW23	3	X
10	UST1115GT-MW09	8/22/07	10:30		X	UST1115GT-MW09	3	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 10		FedEx 8508 6831 5668	8/22/07	18:00	14 Day TAT
2		FX	J. Conrad	8-23-07	09:20	
3						2-B

F52022: Chain of Custody
Page 1 of 3

COC Number: 125709-HPFF-082207-2 F52022

Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390 | Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	UST1115-MW17	8/22/07	11:45		X	UST1115-MW17	3	X
2	UST1115-MW22	8/22/07	12:05		X	UST1115-MW22	3	X
3	UST1115-MW04	8/22/07	12:40		X	UST1115-MW04	3	X
4	UST1115-MW14	8/22/07	15:00		X	UST1115-MW14	3	X
5	Trip Blank 082207	8/22/07	—		X	Trip Blank	2	X
6								
7								
8								
9								
10								

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 5		FedEx 8508 6831 5668	8/23/07	18:00	14 Day TAT
2		Fx	L. Cornell 8-23-07		09:00	
3						2.8

F52022: Chain of Custody
Page 2 of 3

ACCUTEST
F52022

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F52022 CLIENT: SHAW PROJECT: CAMP LEJEUNE NC

DATE/TIME RECEIVED: 8-23-07 09:20 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8508 6831 5668

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 ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: JC 8-23-07 TECHNICIAN SIGNATURE/DATE: ASBD 10/03/06

3.1

3

F52022: Chain of Custody
Page 3 of 3

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: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM900-MB	M0021980.D	1	08/30/07	MM	n/a	n/a	VM900

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-2, F52022-3, F52022-4, F52022-5, F52022-6, F52022-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.46	1.0	0.21	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM900-MB	M0021980.D	1	08/30/07	MM	n/a	n/a	VM900

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-2, F52022-3, F52022-4, F52022-5, F52022-6, F52022-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2027-MB	B048234.D	1	08/31/07	LD	n/a	n/a	VB2027

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-1, F52022-7, F52022-9, F52022-12, F52022-13

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2027-MB	B048234.D	1	08/31/07	LD	n/a	n/a	VB2027

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-1, F52022-7, F52022-9, F52022-12, F52022-13

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	111%	84-120%

Method Blank Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2028-MB	B048265.D	1	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-8, F52022-11, F52022-14, F52022-15

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2028-MB	B048265.D	1	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-8, F52022-11, F52022-14, F52022-15

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	108%	84-120%

Blank Spike Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM900-BS	M0021979.D	1	08/30/07	MM	n/a	n/a	VM900

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-2, F52022-3, F52022-4, F52022-5, F52022-6, F52022-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	111	89	59-134
71-43-2	Benzene	25	27.7	111	83-124
75-27-4	Bromodichloromethane	25	24.8	99	76-116
75-25-2	Bromoform	25	24.9	100	68-128
108-90-7	Chlorobenzene	25	27.1	108	87-115
75-00-3	Chloroethane	25	28.4	114	54-166
67-66-3	Chloroform	25	25.1	100	85-123
75-15-0	Carbon disulfide	25	27.2	109	67-147
56-23-5	Carbon tetrachloride	25	25.8	103	74-139
75-34-3	1,1-Dichloroethane	25	27.3	109	82-127
75-35-4	1,1-Dichloroethylene	25	24.0	96	75-133
107-06-2	1,2-Dichloroethane	25	24.9	100	76-122
78-87-5	1,2-Dichloropropane	25	26.1	104	81-120
124-48-1	Dibromochloromethane	25	25.4	102	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.5	102	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.3	105	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.5	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.9	112	87-123
100-41-4	Ethylbenzene	25	27.9	112	87-118
591-78-6	2-Hexanone	125	128	102	58-125
108-10-1	4-Methyl-2-pentanone	125	122	98	62-125
74-83-9	Methyl bromide	25	27.4	110	55-151
74-87-3	Methyl chloride	25	31.9	128	55-173
75-09-2	Methylene chloride	25	22.4	90	69-125
78-93-3	Methyl ethyl ketone	125	122	98	61-127
100-42-5	Styrene	25	27.2	109	78-118
71-55-6	1,1,1-Trichloroethane	25	29.6	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	71-120
79-00-5	1,1,2-Trichloroethane	25	25.0	100	80-114
127-18-4	Tetrachloroethylene	25	29.5	118	80-131
108-88-3	Toluene	25	27.4	110	86-116
79-01-6	Trichloroethylene	25	28.1	112	85-124
75-01-4	Vinyl chloride	25	33.4	134	57-153
1330-20-7	Xylene (total)	75	85.9	115	86-120

Blank Spike Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM900-BS	M0021979.D	1	08/30/07	MM	n/a	n/a	VM900

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52022-2, F52022-3, F52022-4, F52022-5, F52022-6, F52022-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2027-BS	B048233.D	1	08/31/07	LD	n/a	n/a	VB2027

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-1, F52022-7, F52022-9, F52022-12, F52022-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	143	114	59-134
71-43-2	Benzene	25	29.3	117	83-124
75-27-4	Bromodichloromethane	25	25.7	103	76-116
75-25-2	Bromoform	25	25.1	100	68-128
108-90-7	Chlorobenzene	25	27.3	109	87-115
75-00-3	Chloroethane	25	37.8	151	54-166
67-66-3	Chloroform	25	29.4	118	85-123
75-15-0	Carbon disulfide	25	29.5	118	67-147
56-23-5	Carbon tetrachloride	25	33.1	132	74-139
75-34-3	1,1-Dichloroethane	25	31.1	124	82-127
75-35-4	1,1-Dichloroethylene	25	29.5	118	75-133
107-06-2	1,2-Dichloroethane	25	28.7	115	76-122
78-87-5	1,2-Dichloropropane	25	29.1	116	81-120
124-48-1	Dibromochloromethane	25	25.1	100	74-116
156-59-2	cis-1,2-Dichloroethylene	25	27.7	111	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.1	100	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.6	118	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.2	101	87-123
100-41-4	Ethylbenzene	25	29.0	116	87-118
591-78-6	2-Hexanone	125	114	91	58-125
108-10-1	4-Methyl-2-pentanone	125	119	95	62-125
74-83-9	Methyl bromide	25	42.2	169*	55-151
74-87-3	Methyl chloride	25	39.3	157	55-173
75-09-2	Methylene chloride	25	27.4	110	69-125
78-93-3	Methyl ethyl ketone	125	121	97	61-127
100-42-5	Styrene	25	22.5	90	78-118
71-55-6	1,1,1-Trichloroethane	25	29.2	117	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.8	107	71-120
79-00-5	1,1,2-Trichloroethane	25	26.9	108	80-114
127-18-4	Tetrachloroethylene	25	25.0	100	80-131
108-88-3	Toluene	25	28.3	113	86-116
79-01-6	Trichloroethylene	25	26.7	107	85-124
75-01-4	Vinyl chloride	25	35.1	140	57-153
1330-20-7	Xylene (total)	75	75.2	100	86-120

Blank Spike Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2027-BS	B048233.D	1	08/31/07	LD	n/a	n/a	VB2027

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-1, F52022-7, F52022-9, F52022-12, F52022-13

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	113%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Blank Spike Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2028-BS	B048264.D	1	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-8, F52022-11, F52022-14, F52022-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	113	90	59-134
71-43-2	Benzene	25	27.8	111	83-124
75-27-4	Bromodichloromethane	25	24.3	97	76-116
75-25-2	Bromoform	25	24.3	97	68-128
108-90-7	Chlorobenzene	25	26.4	106	87-115
75-00-3	Chloroethane	25	32.6	130	54-166
67-66-3	Chloroform	25	27.7	111	85-123
75-15-0	Carbon disulfide	25	27.5	110	67-147
56-23-5	Carbon tetrachloride	25	30.4	122	74-139
75-34-3	1,1-Dichloroethane	25	28.8	115	82-127
75-35-4	1,1-Dichloroethylene	25	26.3	105	75-133
107-06-2	1,2-Dichloroethane	25	27.3	109	76-122
78-87-5	1,2-Dichloropropane	25	27.4	110	81-120
124-48-1	Dibromochloromethane	25	24.2	97	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.8	95	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	23.7	95	87-123
100-41-4	Ethylbenzene	25	26.9	108	87-118
591-78-6	2-Hexanone	125	102	82	58-125
108-10-1	4-Methyl-2-pentanone	125	112	90	62-125
74-83-9	Methyl bromide	25	36.7	147	55-151
74-87-3	Methyl chloride	25	35.7	143	55-173
75-09-2	Methylene chloride	25	24.9	100	69-125
78-93-3	Methyl ethyl ketone	125	111	89	61-127
100-42-5	Styrene	25	22.0	88	78-118
71-55-6	1,1,1-Trichloroethane	25	27.3	109	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	71-120
79-00-5	1,1,2-Trichloroethane	25	25.4	102	80-114
127-18-4	Tetrachloroethylene	25	24.7	99	80-131
108-88-3	Toluene	25	26.2	105	86-116
79-01-6	Trichloroethylene	25	25.7	103	85-124
75-01-4	Vinyl chloride	25	30.8	123	57-153
1330-20-7	Xylene (total)	75	71.8	96	86-120

Blank Spike Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2028-BS	B048264.D	1	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-8, F52022-11, F52022-14, F52022-15

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52022-1MS	M0021984.D	5	08/30/07	MM	n/a	n/a	VM900
F52022-1MSD	M0021985.D	5	08/30/07	MM	n/a	n/a	VM900
F52022-1 [a]	M0021983.D	5	08/30/07	MM	n/a	n/a	VM900

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-2, F52022-3, F52022-4, F52022-5, F52022-6, F52022-10

CAS No.	Compound	F52022-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	541	87	531	85	2	59-134/14
71-43-2	Benzene	31.2		125	171	112	164	106	4	83-124/11
75-27-4	Bromodichloromethane	ND		125	124	99	124	99	0	76-116/10
75-25-2	Bromoform	ND		125	129	103	127	102	2	68-128/11
108-90-7	Chlorobenzene	ND		125	135	108	134	107	1	87-115/9
75-00-3	Chloroethane	ND		125	146	117	136	109	7	54-166/20
67-66-3	Chloroform	2.3	J	125	128	101	125	98	2	85-123/10
75-15-0	Carbon disulfide	ND		125	134	107	129	103	4	67-147/12
56-23-5	Carbon tetrachloride	ND		125	129	103	122	98	6	74-139/13
75-34-3	1,1-Dichloroethane	ND		125	140	112	136	109	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		125	123	98	113	90	8	75-133/13
107-06-2	1,2-Dichloroethane	ND		125	127	102	126	101	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		125	134	107	132	106	2	81-120/11
124-48-1	Dibromochloromethane	ND		125	127	102	127	102	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		125	128	102	127	102	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	130	104	130	104	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	140	112	134	107	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	138	110	136	109	1	87-123/10
100-41-4	Ethylbenzene	9.4		125	151	113	147	110	3	87-118/10
591-78-6	2-Hexanone	ND		625	683	109	661	106	3	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		625	680	109	651	104	4	62-125/13
74-83-9	Methyl bromide	ND		125	139	111	129	103	7	55-151/21
74-87-3	Methyl chloride	ND		125	173	138	155	124	11	55-173/22
75-09-2	Methylene chloride	6.1	J	125	120	91	113	86	6	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	648	104	633	101	2	61-127/13
100-42-5	Styrene	ND		125	138	110	134	107	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	150	120	143	114	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	125	100	128	102	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	127	102	127	102	0	80-114/11
127-18-4	Tetrachloroethylene	ND		125	147	118	141	113	4	80-131/12
108-88-3	Toluene	15.4		125	153	110	148	106	3	86-116/10
79-01-6	Trichloroethylene	ND		125	141	113	135	108	4	85-124/10
75-01-4	Vinyl chloride	ND		125	179	143	159	127	12	57-153/22
1330-20-7	Xylene (total)	29.6		375	467	117	452	113	3	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52022-1MS	M0021984.D	5	08/30/07	MM	n/a	n/a	VM900
F52022-1MSD	M0021985.D	5	08/30/07	MM	n/a	n/a	VM900
F52022-1 [a]	M0021983.D	5	08/30/07	MM	n/a	n/a	VM900

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52022-2, F52022-3, F52022-4, F52022-5, F52022-6, F52022-10

CAS No.	Surrogate Recoveries	MS	MSD	F52022-1	Limits
1868-53-7	Dibromofluoromethane	100%	100%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	102%	105%	76-127%
2037-26-5	Toluene-D8	99%	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	98%	101%	96%	84-120%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52078-1MS	B048251.D	1	08/31/07	LD	n/a	n/a	VB2027
F52078-1MSD	B048252.D	1	08/31/07	LD	n/a	n/a	VB2027
F52078-1	B048238.D	1	08/31/07	LD	n/a	n/a	VB2027

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-1, F52022-7, F52022-9, F52022-12, F52022-13

CAS No.	Compound	F52078-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	138	110	128	102	8	59-134/14
71-43-2	Benzene	ND		25	32.0	128*	29.0	116	10	83-124/11
75-27-4	Bromodichloromethane	ND		25	26.6	106	25.0	100	6	76-116/10
75-25-2	Bromoform	ND		25	26.2	105	24.4	98	7	68-128/11
108-90-7	Chlorobenzene	ND		25	28.8	115	26.5	106	8	87-115/9
75-00-3	Chloroethane	ND		25	39.1	156	36.0	144	8	54-166/20
67-66-3	Chloroform	ND		25	30.6	122	28.3	113	8	85-123/10
75-15-0	Carbon disulfide	ND		25	31.0	124	28.2	113	9	67-147/12
56-23-5	Carbon tetrachloride	ND		25	33.0	132	30.7	123	7	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	32.8	131*	30.6	122	7	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	31.0	124	28.5	114	8	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	30.8	123*	28.7	115	7	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	30.7	123*	28.8	115	6	81-120/11
124-48-1	Dibromochloromethane	ND		25	26.2	105	24.2	97	8	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	29.0	116*	27.1	108	7	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.3	101	23.5	94	7	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	31.8	127*	28.9	116	10	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.2	101	23.4	94	7	87-123/10
100-41-4	Ethylbenzene	ND		25	29.7	119*	27.5	110	8	87-118/10
591-78-6	2-Hexanone	ND		125	120	96	113	90	6	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	133	106	123	98	8	62-125/13
74-83-9	Methyl bromide	ND		25	43.6	174*	39.2	157*	11	55-151/21
74-87-3	Methyl chloride	ND		25	39.7	159	37.7	151	5	55-173/22
75-09-2	Methylene chloride	ND		25	28.9	116	26.6	106	8	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	129	103	118	94	9	61-127/13
100-42-5	Styrene	ND		25	23.8	95	21.9	88	8	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	29.5	118	27.8	111	6	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	29.0	116	27.3	109	6	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	29.2	117*	26.7	107	9	80-114/11
127-18-4	Tetrachloroethylene	ND		25	24.6	98	22.8	91	8	80-131/12
108-88-3	Toluene	ND		25	29.0	116	27.0	108	7	86-116/10
79-01-6	Trichloroethylene	ND		25	27.9	112	26.0	104	7	85-124/10
75-01-4	Vinyl chloride	ND		25	34.5	138	34.3	137	1	57-153/22
1330-20-7	Xylene (total)	ND		75	79.5	106	72.7	97	9	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52078-1MS	B048251.D	1	08/31/07	LD	n/a	n/a	VB2027
F52078-1MSD	B048252.D	1	08/31/07	LD	n/a	n/a	VB2027
F52078-1	B048238.D	1	08/31/07	LD	n/a	n/a	VB2027

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-1, F52022-7, F52022-9, F52022-12, F52022-13

CAS No.	Surrogate Recoveries	MS	MSD	F52078-1	Limits
1868-53-7	Dibromofluoromethane	106%	104%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	115%	112%	108%	76-127%
2037-26-5	Toluene-D8	98%	98%	102%	86-112%
460-00-4	4-Bromofluorobenzene	96%	100%	110%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52022-11MS	B048282.D	5	09/04/07	LD	n/a	n/a	VB2028
F52022-11MSD	B048283.D	5	09/04/07	LD	n/a	n/a	VB2028
F52022-11	B048281.D	5	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52022-8, F52022-11, F52022-14, F52022-15

CAS No.	Compound	F52022-11 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	547	88	623	100	13	59-134/14
71-43-2	Benzene	304		125	396	74* [a]	439	108	10	83-124/11
75-27-4	Bromodichloromethane	ND		125	112	90	126	101	12*	76-116/10
75-25-2	Bromoform	ND		125	106	85	119	95	12*	68-128/11
108-90-7	Chlorobenzene	ND		125	124	99	137	110	10*	87-115/9
75-00-3	Chloroethane	ND		125	164	131	182	146	10	54-166/20
67-66-3	Chloroform	2.1	J	125	128	101	145	114	12*	85-123/10
75-15-0	Carbon disulfide	ND		125	131	105	142	114	8	67-147/12
56-23-5	Carbon tetrachloride	ND		125	133	106	153	122	14*	74-139/13
75-34-3	1,1-Dichloroethane	ND		125	134	107	150	120	11*	82-127/10
75-35-4	1,1-Dichloroethylene	ND		125	125	100	137	110	9	75-133/13
107-06-2	1,2-Dichloroethane	ND		125	155	124*	169	135*	9	76-122/11
78-87-5	1,2-Dichloropropane	ND		125	132	106	151	121*	13*	81-120/11
124-48-1	Dibromochloromethane	ND		125	109	87	123	98	12*	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		125	124	99	140	112	12*	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	107	86	124	99	15*	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	131	105	148	118	12*	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	105	84*	120	96	13*	87-123/10
100-41-4	Ethylbenzene	29.6		125	159	104	175	116	10	87-118/10
591-78-6	2-Hexanone	ND		625	529	85	576	92	9	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		625	567	91	631	101	11	62-125/13
74-83-9	Methyl bromide	ND		125	178	142	201	161*	12	55-151/21
74-87-3	Methyl chloride	ND		125	162	130	194	155	18	55-173/22
75-09-2	Methylene chloride	ND		125	125	100	140	112	11	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	525	84	581	93	10	61-127/13
100-42-5	Styrene	ND		125	103	82	115	92	11	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	127	102	146	117	14*	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	124	99	135	108	8	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	123	98	138	110	11	80-114/11
127-18-4	Tetrachloroethylene	ND		125	110	88	122	98	10	80-131/12
108-88-3	Toluene	ND		125	125	100	138	110	10	86-116/10
79-01-6	Trichloroethylene	ND		125	119	95	139	111	16*	85-124/10
75-01-4	Vinyl chloride	ND		125	142	114	172	138	19	57-153/22
1330-20-7	Xylene (total)	7.3	J	375	347	91	386	101	11*	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52022
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52022-11MS	B048282.D	5	09/04/07	LD	n/a	n/a	VB2028
F52022-11MSD	B048283.D	5	09/04/07	LD	n/a	n/a	VB2028
F52022-11	B048281.D	5	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52022-8, F52022-11, F52022-14, F52022-15

CAS No.	Surrogate Recoveries	MS	MSD	F52022-11	Limits
1868-53-7	Dibromofluoromethane	103%	105%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	113%	114%	110%	76-127%
2037-26-5	Toluene-D8	98%	96%	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	97%	108%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Southeast ACCUTEST. Laboratories

IT'S ALL IN THE CHEMISTRY

09/07/07

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F52091

Sampling Dates: 08/23/07 - 08/24/07

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: 70

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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

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

Section 1: Sample Summary **3**
Section 2: Sample Results **5**
2.1: F52091-1: USTHPFFC-MW07 6
2.2: F52091-2: USTHPFFC-MW59 8
2.3: F52091-3: USTHPFFC-MW01 10
2.4: F52091-4: USTHPFFC-MW01D 12
2.5: F52091-5: UST1115-MW21 14
2.6: F52091-6: UST1115-MW24 16
2.7: F52091-7: UST1115-MW02 18
2.8: F52091-8: UST1115-MW02D 20
2.9: F52091-9: USTHPFFC-MW73 22
2.10: F52091-10: USTHPFFC-MW74 24
2.11: F52091-11: UST1115-MW13 26
2.12: F52091-12: UST1115-MW25 28
2.13: F52091-13: UST1115GT-MW01 30
2.14: F52091-14: UST1115-MW15 32
2.15: F52091-15: USTHPFFC-MW56 34
2.16: F52091-16: USTHPFFC-MW13 36
2.17: F52091-17: USTHPFF-MW20 38
2.18: F52091-18: USTHPFFC-MW48 40
2.19: F52091-19: USTHPFFC-MW48D 42
2.20: F52091-20: USTHPFFC-MW50 44
2.21: F52091-21: TRIP BLANK 082407 46
Section 3: Misc. Forms **48**
3.1: Chain of Custody 49
Section 4: GC/MS Volatiles - QC Data Summaries **52**
4.1: Method Blank Summary 53
4.2: Blank Spike Summary 59
4.3: Matrix Spike/Matrix Spike Duplicate Summary 65

Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F52091

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F52091-1	08/23/07	08:30	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW07
F52091-2	08/23/07	09:00	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW59
F52091-3	08/23/07	09:30	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW01
F52091-4	08/23/07	09:30	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW01D
F52091-5	08/23/07	11:00	MM	08/25/07	AQ	Ground Water	UST1115-MW21
F52091-6	08/23/07	11:30	MM	08/25/07	AQ	Ground Water	UST1115-MW24
F52091-7	08/23/07	12:00	MM	08/25/07	AQ	Ground Water	UST1115-MW02
F52091-8	08/23/07	12:00	MM	08/25/07	AQ	Ground Water	UST1115-MW02D
F52091-9	08/23/07	13:00	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW73
F52091-10	08/23/07	13:30	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW74
F52091-11	08/24/07	08:30	MM	08/25/07	AQ	Ground Water	UST1115-MW13
F52091-12	08/24/07	09:00	MM	08/25/07	AQ	Ground Water	UST1115-MW25
F52091-13	08/24/07	09:30	MM	08/25/07	AQ	Ground Water	UST1115GT-MW01

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F52091

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F52091-14	08/24/07	10:30	MM	08/25/07	AQ	Ground Water	UST1115-MW15
F52091-15	08/24/07	12:30	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW56
F52091-16	08/24/07	12:00	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW13
F52091-17	08/24/07	14:00	MM	08/25/07	AQ	Ground Water	USTHPFF-MW20
F52091-18	08/24/07	15:00	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW48
F52091-19	08/24/07	15:00	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW48D
F52091-20	08/24/07	15:30	MM	08/25/07	AQ	Ground Water	USTHPFFC-MW50
F52091-21	08/24/07	00:00	MM	08/25/07	AQ	Trip Blank Water	TRIP BLANK 082407

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW07		
Lab Sample ID:	F52091-1	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050672.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	2.0	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.64	2.0	0.38	ug/l	J
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW07		
Lab Sample ID:	F52091-1	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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:	USTHPFFC-MW59		
Lab Sample ID:	F52091-2	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050673.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW59		
Lab Sample ID:	F52091-2	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	115%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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:	USTHPFFC-MW01		
Lab Sample ID:	F52091-3	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050674.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW01		
Lab Sample ID:	F52091-3	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	119%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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:	USTHPFFC-MW01D		
Lab Sample ID:	F52091-4	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050675.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW01D		
Lab Sample ID:	F52091-4	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	120%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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:	UST1115-MW21		
Lab Sample ID:	F52091-5	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050676.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	45.2	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.56	1.0	0.38	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:	UST1115-MW21		
Lab Sample ID:	F52091-5	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	113%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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:	UST1115-MW24		
Lab Sample ID:	F52091-6	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050677.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	4.4	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	29.9	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW24		
Lab Sample ID:	F52091-6	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	116%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	114%		84-120%

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:	UST1115-MW02		
Lab Sample ID:	F52091-7	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050678.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW02		
Lab Sample ID:	F52091-7	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	117%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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:	UST1115-MW02D		
Lab Sample ID:	F52091-8	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050679.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW02D		
Lab Sample ID:	F52091-8	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	118%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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:	USTHPFFC-MW73		
Lab Sample ID:	F52091-9	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050680.D	50	08/31/07	LD	n/a	n/a	VC2051
Run #2	B048284.D	200	09/04/07	LD	n/a	n/a	VB2028

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1300	500	ug/l	
71-43-2	Benzene	ND	50	10	ug/l	
75-27-4	Bromodichloromethane	ND	50	15	ug/l	
75-25-2	Bromoform	ND	50	14	ug/l	
108-90-7	Chlorobenzene	ND	50	10	ug/l	
75-00-3	Chloroethane	ND	100	23	ug/l	
67-66-3	Chloroform	24.4	50	11	ug/l	J
75-15-0	Carbon disulfide	ND	100	10	ug/l	
56-23-5	Carbon tetrachloride	ND	50	15	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	12	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	ND	50	10	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	110	ug/l	
74-83-9	Methyl bromide	ND	100	27	ug/l	
74-87-3	Methyl chloride	ND	100	19	ug/l	
75-09-2	Methylene chloride	ND	250	50	ug/l	
78-93-3	Methyl ethyl ketone	67000 [a]	1000	400	ug/l	
100-42-5	Styrene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	15	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	19	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	15	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	ND	50	14	ug/l	
79-01-6	Trichloroethylene	ND	50	19	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:	USTHPFFC-MW73		
Lab Sample ID:	F52091-9	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	50	17	ug/l	
1330-20-7	Xylene (total)	ND	150	28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	120%	108%	76-127%
2037-26-5	Toluene-D8	103%	101%	86-112%
460-00-4	4-Bromofluorobenzene	107%	111%	84-120%

(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:	USTHPFFC-MW74		
Lab Sample ID:	F52091-10	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050683.D	10	08/31/07	LD	n/a	n/a	VC2051
Run #2	B048285.D	100	09/04/07	LD	n/a	n/a	VB2028

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	1840	250	100	ug/l	
71-43-2	Benzene	ND	10	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.9	ug/l	
75-25-2	Bromoform	ND	10	2.8	ug/l	
108-90-7	Chlorobenzene	ND	10	2.0	ug/l	
75-00-3	Chloroethane	ND	20	4.6	ug/l	
67-66-3	Chloroform	4.6	10	2.1	ug/l	J
75-15-0	Carbon disulfide	ND	20	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.5	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.3	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.5	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	2.0	ug/l	
591-78-6	2-Hexanone	ND	100	29	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	22	ug/l	
74-83-9	Methyl bromide	ND	20	5.4	ug/l	
74-87-3	Methyl chloride	ND	20	3.8	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
78-93-3	Methyl ethyl ketone	27100 [a]	500	200	ug/l	
100-42-5	Styrene	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	3.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.5	ug/l	
108-88-3	Toluene	ND	10	2.7	ug/l	
79-01-6	Trichloroethylene	ND	10	3.8	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:	USTHPFFC-MW74		
Lab Sample ID:	F52091-10	**Date Sampled:**	08/23/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	10	3.4	ug/l	
1330-20-7	Xylene (total)	ND	30	5.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	115%	107%	76-127%
2037-26-5	Toluene-D8	104%	101%	86-112%
460-00-4	4-Bromofluorobenzene	108%	109%	84-120%

(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:	UST1115-MW13		
Lab Sample ID:	F52091-11	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050684.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	78.5	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	25.2	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	7.6	1.0	0.20	ug/l	
591-78-6	2-Hexanone	40.0	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone [a]	4.2	5.0	2.0	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.35	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW13		
Lab Sample ID:	F52091-11	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	5.2	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) CCV outside of control limits; results may be biased high.

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:	UST1115-MW25		
Lab Sample ID:	F52091-12	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050685.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	0.83	1.0	0.20	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW25		
Lab Sample ID:	F52091-12	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.65	3.0	0.56	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	113%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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:	UST1115GT-MW01		
Lab Sample ID:	F52091-13	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050686.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.93	1.0	0.25	ug/l	J
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115GT-MW01		
Lab Sample ID:	F52091-13	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	114%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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:	UST1115-MW15		
Lab Sample ID:	F52091-14	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050687.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW15		
Lab Sample ID:	F52091-14	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	114%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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:	USTHPFFC-MW56		
Lab Sample ID:	F52091-15	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048295.D	1	09/05/07	LD	n/a	n/a	VB2029
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 [a]	111	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW56		
Lab Sample ID:	F52091-15	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

(a) CCV outside of control limits; results may be biased high.

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:	USTHPFFC-MW13		
Lab Sample ID:	F52091-16	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048296.D	1	09/05/07	LD	n/a	n/a	VB2029
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 [a]	113	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW13		
Lab Sample ID:	F52091-16	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

(a) CCV outside of control limits; results may be biased high.

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:	USTHPFF-MW20		
Lab Sample ID:	F52091-17	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050690.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFF-MW20		
Lab Sample ID:	F52091-17	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		87-116%
17060-07-0	1,2-Dichloroethane-D4	119%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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:	USTHPFFC-MW48		
Lab Sample ID:	F52091-18	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050691.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW48		
Lab Sample ID:	F52091-18	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		87-116%
17060-07-0	1,2-Dichloroethane-D4	117%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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:	USTHPFFC-MW48D		
Lab Sample ID:	F52091-19	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0050692.D	1	08/31/07	LD	n/a	n/a	VC2051
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW48D		
Lab Sample ID:	F52091-19	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		87-116%
17060-07-0	1,2-Dichloroethane-D4	121%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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:	USTHPFFC-MW50		
Lab Sample ID:	F52091-20	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048294.D	1	09/05/07	LD	n/a	n/a	VB2029
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW50		
Lab Sample ID:	F52091-20	**Date Sampled:**	08/24/07
Matrix:	AQ - Ground Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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 082407		
Lab Sample ID:	F52091-21	**Date Sampled:**	08/24/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048270.D	1	09/04/07	LD	n/a	n/a	VB2028
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 082407		
Lab Sample ID:	F52091-21	**Date Sampled:**	08/24/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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

F52091

COC Number:
125709-HPFF-082407-1

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	USTHPFFC-MW07	8/23/07	8:30		X	USTHPFFC-MW07	3	X
2	USTHPFFC-MW59	8/23/07	9:00		X	USTHPFFC-MW59	3	X
3	USTHPFFC-MW01	8/23/07	9:30		X	USTHPFFC-MW01	3	X
4	USTHPFFC-MW01D	8/23/07	9:30		X	USTHPFFC-MW01D	3	X
5	UST1115-MW21	8/23/07	11:00		X	UST1115-MW21	3	X
6	UST1115-MW24	8/23/07	11:30		X	UST1115-MW24	3	X
7	UST1115-MW02	8/23/07	12:00		X	UST1115-MW02	3	X
8	UST1115-MW02D	8/23/07	12:00		X	UST1115-MW02D	3	X
9	USTHPFFC-MW73	8/23/07	13:00		X	USTHPFFC-MW73	3	X
10	USTHPFFC-MW74	8/23/07	13:30		X	USTHPFFC-MW74	3	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 10		FedEx 8508 8831 5657	8/24/07	18:00	14 Day TAT
2		FX	L. Costar 8-25-07		09:00	
3						

24

F52091: Chain of Custody
Page 1 of 3

ACCUTEST
F52091

F52091

COC Number:
125709-HPFF-082407-2

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390 | Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
11	UST1115-MW13	8/24/07	8:30		X	UST1115-MW13	3	X
12	UST1115-MW25	8/24/07	9:00		X	UST1115-MW25	3	X
13	UST1115GT-MW01	8/24/07	9:30		X	UST1115GT-MW01	3	X
14	UST1115-MW15	8/24/07	10:30		X	UST1115-MW15	3	X
15	USTHPFFC-MW56	8/24/07	12:30		X	USTHPFFC-MW56	3	X
16	USTHPFFC-MW13	8/24/07	12:00		X	USTHPFFC-MW13	3	X
17	USTHPFF-MW20	8/24/07	14:00		X	USTHPFF-MW20	3	X
18	USTHPFFC-MW48	8/24/07	15:00		X	USTHPFFC-MW48	3	X
19	USTHPFFC-MW48D	8/24/07	15:00		X	USTHPFFC-MW48D	3	X
10	USTHPFFC-MW50	8/24/07	15:30		X	USTHPFFC-MW50	3	X
11	Trip Blank 082407	8/24/07	—		X	Trip Blank	2	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1-11		FedEx 8508 6831 5657	8/24/07	18:00	14 Day TAT
2		FX	J. Capra 8-25-07		9:00	
3						

2.4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F52091 CLIENT: SHAW PROJECT: CAMP LEJEUNE -HPFF

DATE/TIME RECEIVED: 8-25-07 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8508 6831 5657

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 ? ϕ

NUMBER OF 5035 FIELD KITS ? ϕ

NUMBER OR LAB FILTERED METALS ? ϕ

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE JC 8-25-07 TECHNICIAN SIGNATURE/DATE

ASBD 10/03/06

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: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2051-MB	C0050671.D	1	08/31/07	LD	n/a	n/a	VC2051

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-1, F52091-2, F52091-3, F52091-4, F52091-5, F52091-6, F52091-7, F52091-8, F52091-9, F52091-10, F52091-11, F52091-12, F52091-13, F52091-14, F52091-17, F52091-18, F52091-19

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2051-MB	C0050671.D	1	08/31/07	LD	n/a	n/a	VC2051

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52091-1, F52091-2, F52091-3, F52091-4, F52091-5, F52091-6, F52091-7, F52091-8, F52091-9, F52091-10, F52091-11, F52091-12, F52091-13, F52091-14, F52091-17, F52091-18, F52091-19

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	114%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	107%	84-120%

Method Blank Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2028-MB	B048265.D	1	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-9, F52091-10, F52091-21

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2028-MB	B048265.D	1	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-9, F52091-10, F52091-21

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	108%	84-120%

Method Blank Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2029-MB	B048293.D	1	09/05/07	LD	n/a	n/a	VB2029

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-15, F52091-16, F52091-20

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2029-MB	B048293.D	1	09/05/07	LD	n/a	n/a	VB2029

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-15, F52091-16, F52091-20

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	109%	84-120%

Blank Spike Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2051-BS	C0050670.D	1	08/31/07	LD	n/a	n/a	VC2051

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-1, F52091-2, F52091-3, F52091-4, F52091-5, F52091-6, F52091-7, F52091-8, F52091-9, F52091-10, F52091-11, F52091-12, F52091-13, F52091-14, F52091-17, F52091-18, F52091-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	163	130	59-134
71-43-2	Benzene	25	25.6	102	83-124
75-27-4	Bromodichloromethane	25	25.8	103	76-116
75-25-2	Bromoform	25	26.6	106	68-128
108-90-7	Chlorobenzene	25	23.5	94	87-115
75-00-3	Chloroethane	25	30.5	122	54-166
67-66-3	Chloroform	25	25.8	103	85-123
75-15-0	Carbon disulfide	25	23.2	93	67-147
56-23-5	Carbon tetrachloride	25	24.1	96	74-139
75-34-3	1,1-Dichloroethane	25	26.7	107	82-127
75-35-4	1,1-Dichloroethylene	25	22.5	90	75-133
107-06-2	1,2-Dichloroethane	25	27.8	111	76-122
78-87-5	1,2-Dichloropropane	25	26.2	105	81-120
124-48-1	Dibromochloromethane	25	25.1	100	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.9	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.9	96	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.2	97	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.9	104	87-123
100-41-4	Ethylbenzene	25	22.6	90	87-118
591-78-6	2-Hexanone	125	130	104	58-125
108-10-1	4-Methyl-2-pentanone	125	129	103	62-125
74-83-9	Methyl bromide	25	30.2	121	55-151
74-87-3	Methyl chloride	25	32.5	130	55-173
75-09-2	Methylene chloride	25	25.7	103	69-125
78-93-3	Methyl ethyl ketone	125	142	114	61-127
100-42-5	Styrene	25	21.2	85	78-118
71-55-6	1,1,1-Trichloroethane	25	24.6	98	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.4	98	71-120
79-00-5	1,1,2-Trichloroethane	25	23.2	93	80-114
127-18-4	Tetrachloroethylene	25	23.7	95	80-131
108-88-3	Toluene	25	23.1	92	86-116
79-01-6	Trichloroethylene	25	22.7	91	85-124
75-01-4	Vinyl chloride	25	30.8	123	57-153
1330-20-7	Xylene (total)	75	67.3	90	86-120

Blank Spike Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2051-BS	C0050670.D	1	08/31/07	LD	n/a	n/a	VC2051

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-1, F52091-2, F52091-3, F52091-4, F52091-5, F52091-6, F52091-7, F52091-8, F52091-9, F52091-10, F52091-11, F52091-12, F52091-13, F52091-14, F52091-17, F52091-18, F52091-19

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Blank Spike Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2028-BS	B048264.D	1	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-9, F52091-10, F52091-21

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	113	90	59-134
71-43-2	Benzene	25	27.8	111	83-124
75-27-4	Bromodichloromethane	25	24.3	97	76-116
75-25-2	Bromoform	25	24.3	97	68-128
108-90-7	Chlorobenzene	25	26.4	106	87-115
75-00-3	Chloroethane	25	32.6	130	54-166
67-66-3	Chloroform	25	27.7	111	85-123
75-15-0	Carbon disulfide	25	27.5	110	67-147
56-23-5	Carbon tetrachloride	25	30.4	122	74-139
75-34-3	1,1-Dichloroethane	25	28.8	115	82-127
75-35-4	1,1-Dichloroethylene	25	26.3	105	75-133
107-06-2	1,2-Dichloroethane	25	27.3	109	76-122
78-87-5	1,2-Dichloropropane	25	27.4	110	81-120
124-48-1	Dibromochloromethane	25	24.2	97	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.8	95	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	23.7	95	87-123
100-41-4	Ethylbenzene	25	26.9	108	87-118
591-78-6	2-Hexanone	125	102	82	58-125
108-10-1	4-Methyl-2-pentanone	125	112	90	62-125
74-83-9	Methyl bromide	25	36.7	147	55-151
74-87-3	Methyl chloride	25	35.7	143	55-173
75-09-2	Methylene chloride	25	24.9	100	69-125
78-93-3	Methyl ethyl ketone	125	111	89	61-127
100-42-5	Styrene	25	22.0	88	78-118
71-55-6	1,1,1-Trichloroethane	25	27.3	109	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	71-120
79-00-5	1,1,2-Trichloroethane	25	25.4	102	80-114
127-18-4	Tetrachloroethylene	25	24.7	99	80-131
108-88-3	Toluene	25	26.2	105	86-116
79-01-6	Trichloroethylene	25	25.7	103	85-124
75-01-4	Vinyl chloride	25	30.8	123	57-153
1330-20-7	Xylene (total)	75	71.8	96	86-120

Blank Spike Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2028-BS	B048264.D	1	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-9, F52091-10, F52091-21

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2029-BS	B048292.D	1	09/05/07	LD	n/a	n/a	VB2029

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-15, F52091-16, F52091-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	129	103	59-134
71-43-2	Benzene	25	28.4	114	83-124
75-27-4	Bromodichloromethane	25	24.5	98	76-116
75-25-2	Bromoform	25	24.4	98	68-128
108-90-7	Chlorobenzene	25	27.0	108	87-115
75-00-3	Chloroethane	25	32.3	129	54-166
67-66-3	Chloroform	25	27.8	111	85-123
75-15-0	Carbon disulfide	25	26.9	108	67-147
56-23-5	Carbon tetrachloride	25	31.9	128	74-139
75-34-3	1,1-Dichloroethane	25	29.3	117	82-127
75-35-4	1,1-Dichloroethylene	25	25.7	103	75-133
107-06-2	1,2-Dichloroethane	25	27.9	112	76-122
78-87-5	1,2-Dichloropropane	25	27.6	110	81-120
124-48-1	Dibromochloromethane	25	24.5	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.8	107	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.1	96	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.6	114	82-126
10061-02-6	trans-1,3-Dichloropropene	25	23.5	94	87-123
100-41-4	Ethylbenzene	25	27.6	110	87-118
591-78-6	2-Hexanone	125	106	85	58-125
108-10-1	4-Methyl-2-pentanone	125	113	90	62-125
74-83-9	Methyl bromide	25	33.2	133	55-151
74-87-3	Methyl chloride	25	35.9	144	55-173
75-09-2	Methylene chloride	25	27.9	112	69-125
78-93-3	Methyl ethyl ketone	125	115	92	61-127
100-42-5	Styrene	25	22.3	89	78-118
71-55-6	1,1,1-Trichloroethane	25	28.1	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	71-120
79-00-5	1,1,2-Trichloroethane	25	25.3	101	80-114
127-18-4	Tetrachloroethylene	25	25.2	101	80-131
108-88-3	Toluene	25	26.7	107	86-116
79-01-6	Trichloroethylene	25	26.8	107	85-124
75-01-4	Vinyl chloride	25	31.4	126	57-153
1330-20-7	Xylene (total)	75	72.8	97	86-120

Blank Spike Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2029-BS	B048292.D	1	09/05/07	LD	n/a	n/a	VB2029

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-15, F52091-16, F52091-20

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52091-9MS	C0050681.D	50	08/31/07	LD	n/a	n/a	VC2051
F52091-9MSD	C0050682.D	50	08/31/07	LD	n/a	n/a	VC2051
F52091-9	C0050680.D	50	08/31/07	LD	n/a	n/a	VC2051

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-1, F52091-2, F52091-3, F52091-4, F52091-5, F52091-6, F52091-7, F52091-8, F52091-9, F52091-10, F52091-11, F52091-12, F52091-13, F52091-14, F52091-17, F52091-18, F52091-19

CAS No.	Compound	F52091-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		6250	6320	101	6380	102	1	59-134/14
71-43-2	Benzene	ND		1250	1400	112	1360	109	3	83-124/11
75-27-4	Bromodichloromethane	ND		1250	1300	104	1280	102	2	76-116/10
75-25-2	Bromoform	ND		1250	1300	104	1280	102	2	68-128/11
108-90-7	Chlorobenzene	ND		1250	1280	102	1250	100	2	87-115/9
75-00-3	Chloroethane	ND		1250	1530	122	1560	125	2	54-166/20
67-66-3	Chloroform	24.4	J	1250	1380	108	1340	105	3	85-123/10
75-15-0	Carbon disulfide	ND		1250	1220	98	1240	99	2	67-147/12
56-23-5	Carbon tetrachloride	ND		1250	1410	113	1430	114	1	74-139/13
75-34-3	1,1-Dichloroethane	ND		1250	1380	110	1370	110	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND		1250	1170	94	1230	98	5	75-133/13
107-06-2	1,2-Dichloroethane	ND		1250	1420	114	1370	110	4	76-122/11
78-87-5	1,2-Dichloropropane	ND		1250	1380	110	1310	105	5	81-120/11
124-48-1	Dibromochloromethane	ND		1250	1270	102	1280	102	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		1250	1290	103	1290	103	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		1250	1160	93	1120	90	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		1250	1230	98	1270	102	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		1250	1290	103	1320	106	2	87-123/10
100-41-4	Ethylbenzene	ND		1250	1250	100	1260	101	1	87-118/10
591-78-6	2-Hexanone	ND		6250	6150	98	6130	98	0	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		6250	6630	106	6310	101	5	62-125/13
74-83-9	Methyl bromide	ND		1250	1640	131	1560	125	5	55-151/21
74-87-3	Methyl chloride	ND		1250	1590	127	1680	134	6	55-173/22
75-09-2	Methylene chloride	ND		1250	1260	101	1250	100	1	69-125/11
78-93-3	Methyl ethyl ketone	81900	E	6250	83800	30* [a]	81000	-14* [a]	3	61-127/13
100-42-5	Styrene	ND		1250	1170	94	1170	94	0	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		1250	1390	111	1390	111	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		1250	1290	103	1270	102	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		1250	1220	98	1200	96	2	80-114/11
127-18-4	Tetrachloroethylene	ND		1250	1310	105	1340	107	2	80-131/12
108-88-3	Toluene	ND		1250	1250	100	1250	100	0	86-116/10
79-01-6	Trichloroethylene	ND		1250	1210	97	1200	96	1	85-124/10
75-01-4	Vinyl chloride	ND		1250	1600	128	1720	138	7	57-153/22
1330-20-7	Xylene (total)	ND		3750	3820	102	3790	101	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52091-9MS	C0050681.D	50	08/31/07	LD	n/a	n/a	VC2051
F52091-9MSD	C0050682.D	50	08/31/07	LD	n/a	n/a	VC2051
F52091-9	C0050680.D	50	08/31/07	LD	n/a	n/a	VC2051

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-1, F52091-2, F52091-3, F52091-4, F52091-5, F52091-6, F52091-7, F52091-8, F52091-9, F52091-10, F52091-11, F52091-12, F52091-13, F52091-14, F52091-17, F52091-18, F52091-19

CAS No.	Surrogate Recoveries	MS	MSD	F52091-9	Limits
1868-53-7	Dibromofluoromethane	106%	107%	115%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	110%	120%	76-127%
2037-26-5	Toluene-D8	95%	98%	103%	86-112%
460-00-4	4-Bromofluorobenzene	104%	103%	107%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52022-11MS	B048282.D	5	09/04/07	LD	n/a	n/a	VB2028
F52022-11MSD	B048283.D	5	09/04/07	LD	n/a	n/a	VB2028
F52022-11	B048281.D	5	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-9, F52091-10, F52091-21

CAS No.	Compound	F52022-11 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	547	88	623	100	13	59-134/14
71-43-2	Benzene	304		125	396	74* [a]	439	108	10	83-124/11
75-27-4	Bromodichloromethane	ND		125	112	90	126	101	12*	76-116/10
75-25-2	Bromoform	ND		125	106	85	119	95	12*	68-128/11
108-90-7	Chlorobenzene	ND		125	124	99	137	110	10*	87-115/9
75-00-3	Chloroethane	ND		125	164	131	182	146	10	54-166/20
67-66-3	Chloroform	2.1	J	125	128	101	145	114	12*	85-123/10
75-15-0	Carbon disulfide	ND		125	131	105	142	114	8	67-147/12
56-23-5	Carbon tetrachloride	ND		125	133	106	153	122	14*	74-139/13
75-34-3	1,1-Dichloroethane	ND		125	134	107	150	120	11*	82-127/10
75-35-4	1,1-Dichloroethylene	ND		125	125	100	137	110	9	75-133/13
107-06-2	1,2-Dichloroethane	ND		125	155	124*	169	135*	9	76-122/11
78-87-5	1,2-Dichloropropane	ND		125	132	106	151	121*	13*	81-120/11
124-48-1	Dibromochloromethane	ND		125	109	87	123	98	12*	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		125	124	99	140	112	12*	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	107	86	124	99	15*	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	131	105	148	118	12*	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	105	84*	120	96	13*	87-123/10
100-41-4	Ethylbenzene	29.6		125	159	104	175	116	10	87-118/10
591-78-6	2-Hexanone	ND		625	529	85	576	92	9	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		625	567	91	631	101	11	62-125/13
74-83-9	Methyl bromide	ND		125	178	142	201	161*	12	55-151/21
74-87-3	Methyl chloride	ND		125	162	130	194	155	18	55-173/22
75-09-2	Methylene chloride	ND		125	125	100	140	112	11	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	525	84	581	93	10	61-127/13
100-42-5	Styrene	ND		125	103	82	115	92	11	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	127	102	146	117	14*	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	124	99	135	108	8	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	123	98	138	110	11	80-114/11
127-18-4	Tetrachloroethylene	ND		125	110	88	122	98	10	80-131/12
108-88-3	Toluene	ND		125	125	100	138	110	10	86-116/10
79-01-6	Trichloroethylene	ND		125	119	95	139	111	16*	85-124/10
75-01-4	Vinyl chloride	ND		125	142	114	172	138	19	57-153/22
1330-20-7	Xylene (total)	7.3	J	375	347	91	386	101	11*	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52022-11MS	B048282.D	5	09/04/07	LD	n/a	n/a	VB2028
F52022-11MSD	B048283.D	5	09/04/07	LD	n/a	n/a	VB2028
F52022-11	B048281.D	5	09/04/07	LD	n/a	n/a	VB2028

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-9, F52091-10, F52091-21

CAS No.	Surrogate Recoveries	MS	MSD	F52022-11	Limits
1868-53-7	Dibromofluoromethane	103%	105%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	113%	114%	110%	76-127%
2037-26-5	Toluene-D8	98%	96%	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	97%	108%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52042-1MS	B048308.D	5	09/05/07	LD	n/a	n/a	VB2029
F52042-1MSD	B048309.D	5	09/05/07	LD	n/a	n/a	VB2029
F52042-1	B048297.D	5	09/05/07	LD	n/a	n/a	VB2029

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-15, F52091-16, F52091-20

CAS No.	Compound	F52042-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	652	104	620	99	5	59-134/14
71-43-2	Benzene	ND		125	149	119	141	113	6	83-124/11
75-27-4	Bromodichloromethane	ND		125	123	98	120	96	2	76-116/10
75-25-2	Bromoform	ND		125	119	95	117	94	2	68-128/11
108-90-7	Chlorobenzene	ND		125	132	106	127	102	4	87-115/9
75-00-3	Chloroethane	ND		125	192	154	183	146	5	54-166/20
67-66-3	Chloroform	ND		125	139	111	135	108	3	85-123/10
75-15-0	Carbon disulfide	ND		125	139	111	133	106	4	67-147/12
56-23-5	Carbon tetrachloride	ND		125	150	120	148	118	1	74-139/13
75-34-3	1,1-Dichloroethane	ND		125	152	122	147	118	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		125	136	109	133	106	2	75-133/13
107-06-2	1,2-Dichloroethane	ND		125	143	114	139	111	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		125	143	114	137	110	4	81-120/11
124-48-1	Dibromochloromethane	ND		125	115	92	118	94	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		125	132	106	129	103	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	118	94	113	90	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	141	113	138	110	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	114	91	117	94	3	87-123/10
100-41-4	Ethylbenzene	ND		125	137	110	135	108	1	87-118/10
591-78-6	2-Hexanone	ND		625	568	91	573	92	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		625	647	104	633	101	2	62-125/13
74-83-9	Methyl bromide	ND		125	213	170*	210	168*	1	55-151/21
74-87-3	Methyl chloride	ND		125	184	147	190	152	3	55-173/22
75-09-2	Methylene chloride	ND		125	153	122	149	119	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	614	98	581	93	6	61-127/13
100-42-5	Styrene	ND		125	108	86	106	85	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	138	110	138	110	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	133	106	130	104	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	133	106	129	103	3	80-114/11
127-18-4	Tetrachloroethylene	ND		125	114	91	115	92	1	80-131/12
108-88-3	Toluene	ND		125	131	105	130	104	1	86-116/10
79-01-6	Trichloroethylene	ND		125	136	109	133	106	2	85-124/10
75-01-4	Vinyl chloride	ND		125	164	131	172	138	5	57-153/22
1330-20-7	Xylene (total)	ND		375	360	96	354	94	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52091
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52042-1MS	B048308.D	5	09/05/07	LD	n/a	n/a	VB2029
F52042-1MSD	B048309.D	5	09/05/07	LD	n/a	n/a	VB2029
F52042-1	B048297.D	5	09/05/07	LD	n/a	n/a	VB2029

The QC reported here applies to the following samples: Method: SW846 8260B

F52091-15, F52091-16, F52091-20

CAS No.	Surrogate Recoveries	MS	MSD	F52042-1	Limits
1868-53-7	Dibromofluoromethane	105%	107%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	118%	116%	109%	76-127%
2037-26-5	Toluene-D8	97%	100%	100%	86-112%
460-00-4	4-Bromofluorobenzene	94%	96%	106%	84-120%

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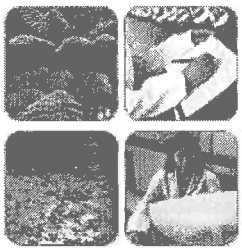
Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/11/07



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F52139

Sampling Date: 08/25/07

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: **48**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **4**
2.1: F52139-1: USTHPFFC-MW76 5
2.2: F52139-2: USTHPFFC-MW44 7
2.3: F52139-3: USTHPFFC-MW43 9
2.4: F52139-4: USTHPFFC-MW47 11
2.5: F52139-5: USTHPFFC-MW39 13
2.6: F52139-6: USTHPFFC-MW51 15
2.7: F52139-7: USTHPFFC-MW51D 17
2.8: F52139-8: USTHPFFC-MW54 19
2.9: F52139-9: USTHPFFC-MW53 21
2.10: F52139-10: USTHPFFC-MW55 23
2.11: F52139-11: TRIP BLANK 082707 25
Section 3: Misc. Forms **27**
3.1: Chain of Custody 28
Section 4: GC/MS Volatiles - QC Data Summaries **30**
4.1: Method Blank Summary 31
4.2: Blank Spike Summary 37
4.3: Matrix Spike/Matrix Spike Duplicate Summary 43

Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F52139

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F52139-1	08/25/07	07:00	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW76
F52139-2	08/25/07	08:30	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW44
F52139-3	08/25/07	09:15	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW43
F52139-4	08/25/07	11:00	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW47
F52139-5	08/25/07	11:30	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW39
F52139-6	08/25/07	12:15	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW51
F52139-7	08/25/07	12:15	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW51D
F52139-8	08/25/07	13:00	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW54
F52139-9	08/25/07	14:30	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW53
F52139-10	08/25/07	14:45	MM	08/29/07	AQ	Ground Water	USTHPFFC-MW55
F52139-11	08/25/07	00:00	MM	08/29/07	AQ	Trip Blank Water	TRIP BLANK 082707

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW76		
Lab Sample ID:	F52139-1	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J032350.D	1	09/06/07	KW	n/a	n/a	VJ2222
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.24	1.0	0.21	ug/l	JB
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.9	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.43	1.0	0.20	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	83.7	1.0	0.38	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:	USTHPFFC-MW76		
Lab Sample ID:	F52139-1	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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:	USTHPFFC-MW44		
Lab Sample ID:	F52139-2	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J032351.D	1	09/06/07	KW	n/a	n/a	VJ2222
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.86	1.0	0.38	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:	USTHPFFC-MW44		
Lab Sample ID:	F52139-2	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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:	USTHPFFC-MW43		
Lab Sample ID:	F52139-3	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J032352.D	1	09/06/07	KW	n/a	n/a	VJ2222
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.83	1.0	0.38	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:	USTHPFFC-MW43		
Lab Sample ID:	F52139-3	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

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:	USTHPFFC-MW47		
Lab Sample ID:	F52139-4	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0022069.D	20	09/06/07	MM	n/a	n/a	VM905
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	500	200	ug/l	
71-43-2	Benzene	993	20	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.8	ug/l	
75-25-2	Bromoform	ND	20	5.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.0	ug/l	
75-00-3	Chloroethane	ND	40	9.2	ug/l	
67-66-3	Chloroform	9.3	20	4.2	ug/l	JB
75-15-0	Carbon disulfide	ND	40	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	4.6	ug/l	
107-06-2	1,2-Dichloroethane	24.8	20	4.0	ug/l	
78-87-5	1,2-Dichloropropane	12.3	20	5.0	ug/l	J
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	78.8	20	5.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.8	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	31.5	20	4.0	ug/l	
591-78-6	2-Hexanone	ND	200	57	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	44	ug/l	
74-83-9	Methyl bromide	ND	40	11	ug/l	
74-87-3	Methyl chloride	ND	40	7.6	ug/l	
75-09-2	Methylene chloride	57.5	100	20	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
100-42-5	Styrene	ND	20	4.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	7.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	6.0	ug/l	
127-18-4	Tetrachloroethylene	10.6	20	5.0	ug/l	J
108-88-3	Toluene	ND	20	5.4	ug/l	
79-01-6	Trichloroethylene	249	20	7.6	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:	USTHPFFC-MW47		
Lab Sample ID:	F52139-4	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	20	6.8	ug/l	
1330-20-7	Xylene (total)	ND	60	11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

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:	USTHPFFC-MW39		
Lab Sample ID:	F52139-5	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048331.D	1	09/07/07	LD	n/a	n/a	VB2031
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	10	ug/l	
71-43-2	Benzene	5.7	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	4.4	1.0	0.38	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:	USTHPFFC-MW39		
Lab Sample ID:	F52139-5	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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:	USTHPFFC-MW51		
Lab Sample ID:	F52139-6	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048332.D	1	09/07/07	LD	n/a	n/a	VB2031
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	10	ug/l	
71-43-2	Benzene	2.1	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	2.0	1.0	0.38	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:	USTHPFFC-MW51		
Lab Sample ID:	F52139-6	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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:	USTHPFFC-MW51D		
Lab Sample ID:	F52139-7	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048333.D	1	09/07/07	LD	n/a	n/a	VB2031
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW51D		
Lab Sample ID:	F52139-7	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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:	USTHPFFC-MW54		
Lab Sample ID:	F52139-8	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048334.D	1	09/07/07	LD	n/a	n/a	VB2031
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW54		
Lab Sample ID:	F52139-8	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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:	USTHPFFC-MW53		
Lab Sample ID:	F52139-9	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048335.D	1	09/07/07	LD	n/a	n/a	VB2031
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	2.2	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW53		
Lab Sample ID:	F52139-9	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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:	USTHPFFC-MW55		
Lab Sample ID:	F52139-10	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048336.D	1	09/07/07	LD	n/a	n/a	VB2031
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	2.4	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW55		
Lab Sample ID:	F52139-10	**Date Sampled:**	08/25/07
Matrix:	AQ - Ground Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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 082707		
Lab Sample ID:	F52139-11	**Date Sampled:**	08/25/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B048337.D	1	09/07/07	LD	n/a	n/a	VB2031
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.72	1.0	0.21	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 082707		
Lab Sample ID:	F52139-11	**Date Sampled:**	08/25/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/29/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	111%		84-120%

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:
125709-HPFF-082707

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F52139

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390 | Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	USTHPFFC-MW76	8/25/07	7:00		X	USTHPFFC-MW76	3	X
2	USTHPFFC-MW44	8/25/07	8:30		X	USTHPFFC-MW44	3	X
3	USTHPFFC-MW43	8/25/07	9:15		X	USTHPFFC-MW43	3	X
4	USTHPFFC-MW47	8/25/07	11:00		X	USTHPFFC-MW47	3	X
5	USTHPFFC-MW39	8/25/07	11:30		X	USTHPFFC-MW39	3	X
6	USTHPFFC-MW51	8/25/07	12:15		X	USTHPFFC-MW51	3	X
7	USTHPFFC-MW51D	8/25/07	12:15		X	USTHPFFC-MW51D	3	X
8	USTHPFFC-MW54	8/25/07	13:00		X	USTHPFFC-MW54	3	X
9	USTHPFFC-MW53	8/25/07	14:30		X	USTHPFFC-MW53	3	X
10	USTHPFFC-MW55	8/25/07	14:45		X	USTHPFFC-MW55	3	X
11	Trip Blank 082707	8/25/07			X	Trip Blank	2	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 11		FedEx 8508 6831 5646	8/28/07	18:00	14 Day TAT
2		FX	J. Otte	8/29/07	0900	
3						

2.0

F52139: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F52139 CLIENT: SHAW PROJECT: Camp Lejeune - HPFF

DATE/TIME RECEIVED: 8/29/07 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 910086831564 6

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
- [ ] 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
- [X] 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 ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Sample 9 (USTHPFFC-HW53, 1430) the time in COC doesn't match the label (1400)

TECHNICIAN SIGNATURE/DATE [signature] 8/29/07 TECHNICIAN SIGNATURE/DATE E.T. 8-29-07 ASBD 10/03/06

3.1 3

F52139: 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: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2222-MB	J032343.D	1	09/06/07	KW	n/a	n/a	VJ2222

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-1, F52139-2, F52139-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.42	1.0	0.21	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2222-MB	J032343.D	1	09/06/07	KW	n/a	n/a	VJ2222

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-1, F52139-2, F52139-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM905-MB	M0022066.D	1	09/06/07	MM	n/a	n/a	VM905

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.53	1.0	0.21	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.2	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM905-MB	M0022066.D	1	09/06/07	MM	n/a	n/a	VM905

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52139-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2031-MB	B048330.D	1	09/07/07	LD	n/a	n/a	VB2031

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-5, F52139-6, F52139-7, F52139-8, F52139-9, F52139-10, F52139-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2031-MB	B048330.D	1	09/07/07	LD	n/a	n/a	VB2031

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-5, F52139-6, F52139-7, F52139-8, F52139-9, F52139-10, F52139-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	108%	84-120%

Blank Spike Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2222-BS	J032344.D	1	09/06/07	KW	n/a	n/a	VJ2222

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-1, F52139-2, F52139-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	103	82	59-134
71-43-2	Benzene	25	27.4	110	83-124
75-27-4	Bromodichloromethane	25	25.3	101	76-116
75-25-2	Bromoform	25	22.4	90	68-128
108-90-7	Chlorobenzene	25	28.0	112	87-115
75-00-3	Chloroethane	25	29.7	119	54-166
67-66-3	Chloroform	25	26.3	105	85-123
75-15-0	Carbon disulfide	25	28.0	112	67-147
56-23-5	Carbon tetrachloride	25	28.1	112	74-139
75-34-3	1,1-Dichloroethane	25	27.7	111	82-127
75-35-4	1,1-Dichloroethylene	25	29.4	118	75-133
107-06-2	1,2-Dichloroethane	25	25.7	103	76-122
78-87-5	1,2-Dichloropropane	25	26.4	106	81-120
124-48-1	Dibromochloromethane	25	23.0	92	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.1	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.6	106	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.3	109	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.8	115	87-123
100-41-4	Ethylbenzene	25	28.3	113	87-118
591-78-6	2-Hexanone	125	128	102	58-125
108-10-1	4-Methyl-2-pentanone	125	129	103	62-125
74-83-9	Methyl bromide	25	30.6	122	55-151
74-87-3	Methyl chloride	25	34.5	138	55-173
75-09-2	Methylene chloride	25	23.2	93	69-125
78-93-3	Methyl ethyl ketone	125	115	92	61-127
100-42-5	Styrene	25	27.2	109	78-118
71-55-6	1,1,1-Trichloroethane	25	29.2	117	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.5	106	71-120
79-00-5	1,1,2-Trichloroethane	25	27.0	108	80-114
127-18-4	Tetrachloroethylene	25	28.1	112	80-131
108-88-3	Toluene	25	28.8	115	86-116
79-01-6	Trichloroethylene	25	27.4	110	85-124
75-01-4	Vinyl chloride	25	33.6	134	57-153
1330-20-7	Xylene (total)	75	86.2	115	86-120

Blank Spike Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2222-BS	J032344.D	1	09/06/07	KW	n/a	n/a	VJ2222

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52139-1, F52139-2, F52139-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	104%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Blank Spike Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM905-BS	M0022065.D	1	09/06/07	MM	n/a	n/a	VM905

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	102	82	59-134
71-43-2	Benzene	25	27.5	110	83-124
75-27-4	Bromodichloromethane	25	25.3	101	76-116
75-25-2	Bromoform	25	24.6	98	68-128
108-90-7	Chlorobenzene	25	27.3	109	87-115
75-00-3	Chloroethane	25	22.1	88	54-166
67-66-3	Chloroform	25	25.1	100	85-123
75-15-0	Carbon disulfide	25	24.2	97	67-147
56-23-5	Carbon tetrachloride	25	26.4	106	74-139
75-34-3	1,1-Dichloroethane	25	27.2	109	82-127
75-35-4	1,1-Dichloroethylene	25	24.9	100	75-133
107-06-2	1,2-Dichloroethane	25	24.6	98	76-122
78-87-5	1,2-Dichloropropane	25	26.1	104	81-120
124-48-1	Dibromochloromethane	25	24.8	99	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.8	107	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.0	108	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.9	116	87-123
100-41-4	Ethylbenzene	25	24.9	100	87-118
591-78-6	2-Hexanone	125	122	98	58-125
108-10-1	4-Methyl-2-pentanone	125	116	93	62-125
74-83-9	Methyl bromide	25	24.3	97	55-151
74-87-3	Methyl chloride	25	31.9	128	55-173
75-09-2	Methylene chloride	25	19.7	79	69-125
78-93-3	Methyl ethyl ketone	125	114	91	61-127
100-42-5	Styrene	25	23.0	92	78-118
71-55-6	1,1,1-Trichloroethane	25	24.8	99	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.9	100	71-120
79-00-5	1,1,2-Trichloroethane	25	25.3	101	80-114
127-18-4	Tetrachloroethylene	25	26.7	107	80-131
108-88-3	Toluene	25	28.3	113	86-116
79-01-6	Trichloroethylene	25	25.2	101	85-124
75-01-4	Vinyl chloride	25	25.8	103	57-153
1330-20-7	Xylene (total)	75	73.6	98	86-120

Blank Spike Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM905-BS	M0022065.D	1	09/06/07	MM	n/a	n/a	VM905

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Blank Spike Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2031-BS	B048329.D	1	09/07/07	LD	n/a	n/a	VB2031

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-5, F52139-6, F52139-7, F52139-8, F52139-9, F52139-10, F52139-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	78.2	63	59-134
71-43-2	Benzene	25	27.0	108	83-124
75-27-4	Bromodichloromethane	25	24.2	97	76-116
75-25-2	Bromoform	25	24.9	100	68-128
108-90-7	Chlorobenzene	25	27.3	109	87-115
75-00-3	Chloroethane	25	24.6	98	54-166
67-66-3	Chloroform	25	24.4	98	85-123
75-15-0	Carbon disulfide	25	25.6	102	67-147
56-23-5	Carbon tetrachloride	25	27.4	110	74-139
75-34-3	1,1-Dichloroethane	25	27.2	109	82-127
75-35-4	1,1-Dichloroethylene	25	24.2	97	75-133
107-06-2	1,2-Dichloroethane	25	25.3	101	76-122
78-87-5	1,2-Dichloropropane	25	26.1	104	81-120
124-48-1	Dibromochloromethane	25	24.7	99	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.6	102	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.3	105	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.9	108	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.0	112	87-123
100-41-4	Ethylbenzene	25	27.9	112	87-118
591-78-6	2-Hexanone	125	115	92	58-125
108-10-1	4-Methyl-2-pentanone	125	121	97	62-125
74-83-9	Methyl bromide	25	28.3	113	55-151
74-87-3	Methyl chloride	25	30.8	123	55-173
75-09-2	Methylene chloride	25	23.0	92	69-125
78-93-3	Methyl ethyl ketone	125	109	87	61-127
100-42-5	Styrene	25	23.3	93	78-118
71-55-6	1,1,1-Trichloroethane	25	26.4	106	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.8	99	71-120
79-00-5	1,1,2-Trichloroethane	25	25.1	100	80-114
127-18-4	Tetrachloroethylene	25	28.7	115	80-131
108-88-3	Toluene	25	27.3	109	86-116
79-01-6	Trichloroethylene	25	27.2	109	85-124
75-01-4	Vinyl chloride	25	30.3	121	57-153
1330-20-7	Xylene (total)	75	85.0	113	86-120

Blank Spike Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2031-BS	B048329.D	1	09/07/07	LD	n/a	n/a	VB2031

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52139-5, F52139-6, F52139-7, F52139-8, F52139-9, F52139-10, F52139-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52217-2MS	J032356.D	1	09/06/07	KW	n/a	n/a	VJ2222
F52217-2MSD	J032357.D	1	09/06/07	KW	n/a	n/a	VJ2222
F52217-2 [a]	J032354.D	1	09/06/07	KW	n/a	n/a	VJ2222

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-1, F52139-2, F52139-3

CAS No.	Compound	F52217-2 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	109	87	101	81	8	59-134/14
71-43-2	Benzene	1.0 U		25	26.9	108	26.8	107	0	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	24.8	99	24.7	99	0	76-116/10
75-25-2	Bromoform	1.0 U		25	21.6	86	22.0	88	2	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	27.0	108	27.2	109	1	87-115/9
75-00-3	Chloroethane	2.0 U		25	25.0	100	26.4	106	5	54-166/20
67-66-3	Chloroform	1.0 U		25	25.2	101	25.4	102	1	85-123/10
75-15-0	Carbon disulfide	0.55	I	25	28.2	111	28.5	112	1	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	26.8	107	27.6	110	3	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	26.9	108	26.9	108	0	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	27.0	108	27.6	110	2	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	25.4	102	25.5	102	0	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25.6	102	25.7	103	0	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	23.0	92	22.4	90	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	4.1		25	29.8	103	30.1	104	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	25.6	102	25.7	103	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	0.41	I	25	26.7	105	26.9	106	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	28.4	114	28.4	114	0	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	27.8	111	27.7	111	0	87-118/10
591-78-6	2-Hexanone	10 U		125	137	110	138	110	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	138	110	140	112	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	25.0	100	26.6	106	6	55-151/21
74-87-3	Methyl chloride	2.0 U		25	29.5	118	30.2	121	2	55-173/22
75-09-2	Methylene chloride	5.0 U		25	21.3	85	20.4	82	4	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	118	94	118	94	0	61-127/13
100-42-5	Styrene	1.0 U		25	26.5	106	26.6	106	0	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	28.2	113	28.2	113	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	27.5	110	27.3	109	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	27.6	110	27.3	109	1	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	26.7	107	27.1	108	1	80-131/12
108-88-3	Toluene	1.0 U		25	28.3	113	28.2	113	0	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	26.4	106	26.6	106	1	85-124/10
75-01-4	Vinyl chloride	9.4		25	36.7	109	38.9	118	6	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	84.8	113	84.4	113	0	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52217-2MS	J032356.D	1	09/06/07	KW	n/a	n/a	VJ2222
F52217-2MSD	J032357.D	1	09/06/07	KW	n/a	n/a	VJ2222
F52217-2 [a]	J032354.D	1	09/06/07	KW	n/a	n/a	VJ2222

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-1, F52139-2, F52139-3

CAS No.	Surrogate Recoveries	MS	MSD	F52217-2	Limits
1868-53-7	Dibromofluoromethane	101%	101%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	101%	99%	76-127%
2037-26-5	Toluene-D8	104%	105%	101%	86-112%
460-00-4	4-Bromofluorobenzene	104%	104%	109%	84-120%

(a) Sample was not preserved to a pH < 2.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52139-4MS	M0022070.D	20	09/06/07	MM	n/a	n/a	VM905
F52139-4MSD	M0022071.D	20	09/06/07	MM	n/a	n/a	VM905
F52139-4	M0022069.D	20	09/06/07	MM	n/a	n/a	VM905

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-4

CAS No.	Compound	F52139-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2500	2100	84	2100	84	0	59-134/14
71-43-2	Benzene	993		500	1510	103	1470	95	3	83-124/11
75-27-4	Bromodichloromethane	ND		500	477	95	467	93	2	76-116/10
75-25-2	Bromoform	ND		500	485	97	471	94	3	68-128/11
108-90-7	Chlorobenzene	ND		500	537	107	526	105	2	87-115/9
75-00-3	Chloroethane	ND		500	571	114	516	103	10	54-166/20
67-66-3	Chloroform	9.3	JB	500	487	96	468	92	4	85-123/10
75-15-0	Carbon disulfide	ND		500	447	89	434	87	3	67-147/12
56-23-5	Carbon tetrachloride	ND		500	529	106	497	99	6	74-139/13
75-34-3	1,1-Dichloroethane	ND		500	549	110	532	106	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		500	511	102	479	96	6	75-133/13
107-06-2	1,2-Dichloroethane	24.8		500	522	99	516	98	1	76-122/11
78-87-5	1,2-Dichloropropane	12.3	J	500	537	105	535	105	0	81-120/11
124-48-1	Dibromochloromethane	ND		500	475	95	471	94	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	78.8		500	588	102	574	99	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		500	511	102	501	100	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		500	556	111	536	107	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		500	528	106	519	104	2	87-123/10
100-41-4	Ethylbenzene	31.5		500	517	97	506	95	2	87-118/10
591-78-6	2-Hexanone	ND		2500	2540	102	2500	100	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		2500	2570	103	2570	103	0	62-125/13
74-83-9	Methyl bromide	ND		500	626	125	579	116	8	55-151/21
74-87-3	Methyl chloride	ND		500	790	158	748	150	5	55-173/22
75-09-2	Methylene chloride	57.5	JB	500	483	85	465	82	4	69-125/11
78-93-3	Methyl ethyl ketone	ND		2500	2460	98	2440	98	1	61-127/13
100-42-5	Styrene	ND		500	455	91	445	89	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		500	502	100	477	95	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	465	93	470	94	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		500	480	96	481	96	0	80-114/11
127-18-4	Tetrachloroethylene	10.6	J	500	530	104	508	99	4	80-131/12
108-88-3	Toluene	ND		500	543	109	530	106	2	86-116/10
79-01-6	Trichloroethylene	249		500	748	100	726	95	3	85-124/10
75-01-4	Vinyl chloride	ND		500	652	130	605	121	7	57-153/22
1330-20-7	Xylene (total)	ND		1500	1430	95	1380	92	4	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52139-4MS	M0022070.D	20	09/06/07	MM	n/a	n/a	VM905
F52139-4MSD	M0022071.D	20	09/06/07	MM	n/a	n/a	VM905
F52139-4	M0022069.D	20	09/06/07	MM	n/a	n/a	VM905

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-4

CAS No.	Surrogate Recoveries	MS	MSD	F52139-4	Limits
1868-53-7	Dibromofluoromethane	101%	100%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	102%	104%	76-127%
2037-26-5	Toluene-D8	99%	99%	101%	86-112%
460-00-4	4-Bromofluorobenzene	97%	98%	100%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52139-5MS	B048338.D	1	09/07/07	LD	n/a	n/a	VB2031
F52139-5MSD	B048339.D	1	09/07/07	LD	n/a	n/a	VB2031
F52139-5	B048331.D	1	09/07/07	LD	n/a	n/a	VB2031

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-5, F52139-6, F52139-7, F52139-8, F52139-9, F52139-10, F52139-11

CAS No.	Compound	F52139-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	78.3	63	79.1	63	1	59-134/14
71-43-2	Benzene	5.7		25	33.6	112	32.3	106	4	83-124/11
75-27-4	Bromodichloromethane	ND		25	24.8	99	24.2	97	2	76-116/10
75-25-2	Bromoform	ND		25	24.3	97	23.2	93	5	68-128/11
108-90-7	Chlorobenzene	ND		25	27.7	111	26.8	107	3	87-115/9
75-00-3	Chloroethane	ND		25	26.2	105	25.0	100	5	54-166/20
67-66-3	Chloroform	ND		25	25.0	100	24.4	98	2	85-123/10
75-15-0	Carbon disulfide	ND		25	25.9	104	25.3	101	2	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.9	108	26.4	106	2	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.2	113	27.5	110	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	24.2	97	25.8	103	6	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.7	103	25.3	101	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.6	110	27.1	108	2	81-120/11
124-48-1	Dibromochloromethane	ND		25	25.2	101	23.6	94	7	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.7	107	26.3	105	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	27.6	110	26.7	107	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.5	110	27.1	108	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	29.1	116	27.7	111	5	87-123/10
100-41-4	Ethylbenzene	ND		25	30.0	120*	28.4	114	5	87-118/10
591-78-6	2-Hexanone	ND		125	112	90	106	85	6	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	125	100	118	94	6	62-125/13
74-83-9	Methyl bromide	ND		25	29.0	116	27.5	110	5	55-151/21
74-87-3	Methyl chloride	ND		25	32.7	131	31.7	127	3	55-173/22
75-09-2	Methylene chloride	ND		25	23.9	96	23.3	93	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	110	88	106	85	4	61-127/13
100-42-5	Styrene	ND		25	24.3	97	23.1	92	5	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	27.0	108	26.1	104	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.0	104	25.3	101	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	26.6	106	24.9	100	7	80-114/11
127-18-4	Tetrachloroethylene	ND		25	28.9	116	27.7	111	4	80-131/12
108-88-3	Toluene	ND		25	28.7	115	26.9	108	6	86-116/10
79-01-6	Trichloroethylene	4.4		25	31.7	109	30.8	106	3	85-124/10
75-01-4	Vinyl chloride	ND		25	32.0	128	30.9	124	3	57-153/22
1330-20-7	Xylene (total)	ND		75	88.3	118	84.5	113	4	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52139
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52139-5MS	B048338.D	1	09/07/07	LD	n/a	n/a	VB2031
F52139-5MSD	B048339.D	1	09/07/07	LD	n/a	n/a	VB2031
F52139-5	B048331.D	1	09/07/07	LD	n/a	n/a	VB2031

The QC reported here applies to the following samples: Method: SW846 8260B

F52139-5, F52139-6, F52139-7, F52139-8, F52139-9, F52139-10, F52139-11

CAS No.	Surrogate Recoveries	MS	MSD	F52139-5	Limits
1868-53-7	Dibromofluoromethane	98%	100%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	106%	104%	76-127%
2037-26-5	Toluene-D8	102%	100%	99%	86-112%
460-00-4	4-Bromofluorobenzene	100%	101%	106%	84-120%

APPENDIX D

GROUNDWATER SAMPLE COLLECTION LOGS

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115-MW01
SAMPLE NO. ~~USTHPFF~~ UST1115-MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/24/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1400
PHONE: 910-451-2390	WEATHER: PC 90's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	4.76	3.74	3.58	3.57	3.57		(STD)
Specific Conductivity	1.477	1.411	1.361	1.337	1.337		(m S/cm)
Turbidity (Turb)	2146.1	89.4	46.4	7.7	7.7		(NTU)
Dissolved Oxygen (DO)	3.00	2.88	3.17	3.56	3.56		(mg/l)
Temperature (Temp)	29.83	29.89	30.05	29.83	29.83		(°C)
ORP	125.0	148.4	153.8	149.3	149.3		
Chloride							
Ferrous Iron							

Depth to Bottom	179.76	(In) (Minus)	Depth to Water	110.40	(In)	=	69.36	HT (in)
Depth to Bottom	1498	(Ft) (Minus)	Depth to Water	9.20	(Ft)	=	5.78	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			69.36	1	3.14	218	.0043	0.9		2.8	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260		3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TR

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115-MW02
SAMPLE NO. ~~USTHPFF~~ UST1115-MW02

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1200
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.30	5.39	5.20	5.17	5.17		(STD)
Specific Conductivity	0.172	0.156	0.164	0.164	0.164		(m S/cm)
Turbidity (Turb)	206.3	46.1	0	0	0		(NTU)
Dissolved Oxygen (DO)	4.26	1.96	0.54	0.39	0.39		(mg/l)
Temperature (Temp)	25.97	26.33	26.25	26.38	26.38		(°C)
ORP	256.2	248.7	262.5	267.4	267.4		
Chloride							
Ferrous Iron							

Depth to Bottom	166.92	(In) (Minus)	Depth to Water	108.12	(In)	=	58.58	HT (in)
Depth to Bottom	13.91	(Ft) (Minus)	Depth to Water	9.01	(Ft)	=	4.90	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
d/2 = 1

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			58.58	1	3.14	185	.0043	0.8	2.5	2.5
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW02	3-40ml Vials	HCL
Duplicate	UST1115-MW02D		

COMMENTS: Duplicate Sample Taken

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. ~~USTHPFF~~ UST1115-MW04	
SAMPLE NO. ~~USTHPFF~~ UST1115-MW04	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: Sunny 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer / No

DATE 8/22/07

TIME 1240

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.47	5.86	4.93	4.77	4.77		(STD)
Specific Conductivity	0.240	0.201	0.132	0.129	0.129		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	3.48	2.29	1.88	1.55	1.55		(mg/l)
Temperature (Temp)	21.59	23.86	24.50	24.42	24.42		(°C)
ORP	117.9	231.9	315.7	316.2	316.2		
Chloride							
Ferrous Iron							

Depth to Bottom	210.24	(In) (Minus)	Depth to Water	67.44	(In)	=	142.80	HT (in)
Depth to Bottom	17.52	(Ft) (Minus)	Depth to Water	5.62	(Ft)	=	11.90	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			142.80	1	3.14	448	.0043	1.9		5.8	6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW04	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115-MW07
SAMPLE NO ~~USTHPFF~~ UST1115-MW07

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/22/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0830
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.21	6.02	5.55	5.55	5.55		(STD)
Specific Conductivity	3.360	2.896	2.836	2.786	2.786		(m S/cm)
Turbidity (Turb)	113.6	2.2	4.6	13.6	13.6		(NTU)
Dissolved Oxygen (DO)	8.11	3.86	3.66	3.55	3.55		(mg/l)
Temperature (Temp)	24.71	25.94	25.95	25.95	25.95		(°C)
ORP	-203.9	-225.7	-230.5	-231.9	-231.5		
Chloride							
Ferrous Iron							

Depth to Bottom	243.96	(In) (Minus)	Depth to Water	84.96	(In)	=	159.00	HT (in)
Depth to Bottom	20.33	(Ft) (Minus)	Depth to Water	7.08	(Ft)	=	13.25	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			159.00	1	3.14	499	.0043	2.1		6.4	7
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW07	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water.

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. ~~USTHPFF~~ UST1115-MW09	
SAMPLE ~~NO:USTHPFF~~ UST1115-MW09	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/22/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0900
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.96	5.21	4.87	4.89	4.87		(STD)
Specific Conductivity	2.491	2.502	2.330	2.303	2.303		(m S/cm)
Turbidity (Turb)	804.2	75.9	68.4	68.4	68.4		(NTU)
Dissolved Oxygen (DO)	5.73	4.54	2.63	2.01	2.01		(mg/l)
Temperature (Temp)	23.24	22.86	23.18	23.25	23.25		(°C)
ORP	-56.7	-30.5	-45.7	-51.9	-51.9		
Chloride							
Ferrous Iron							

Depth to Bottom	254.64	(In) (Minus)	Depth to Water	136.08	(In)	=	118.56	HT (in)
Depth to Bottom	21.22	(Ft) (Minus)	Depth to Water	11.34	(Ft)	=	9.88	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			118.56	1	3.14	372	.0043	1.6		4.8	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW09	3-40ml Vials	HCL

COMMENTS: Purge water started AS Brown thick with solids, but cleared ~~after~~ after about 1/2 gal.

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115GT-MW09
SAMPLE NO. ~~USTHPFF~~ UST1115GT-MW09

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/24/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0930
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.11	5.24	5.26	5.44	5.44		(STD)
Specific Conductivity	0.297	0.210	0.210	0.196	0.196		(m S/cm)
Turbidity (Turb)	1012.3	243.3	210.7	193.4	193.4		(NTU)
Dissolved Oxygen (DO)	3.32	0.85	0.51	0.35	0.35		(mg/l)
Temperature (Temp)	26.14	29.57	30.05	29.85	29.85		(°C)
ORP	244.2	202.8	194.1	169.9	169.9		
Chloride							
Ferrous Iron							

Depth to Bottom	225.72	(In) (Minus)	Depth to Water	52.44	(In)	=	173.28	HT (in)
Depth to Bottom	18.81	(Ft) (Minus)	Depth to Water	4.37	(Ft)	=	14.44	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			173.28	1	3.14	544	.0043	2.3	7	7.5
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115GT-MW09	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. ~~USTHPFF~~ UST111567-MW07	
SAMPLE NO. ~~USTHPFF~~ UST111567 MW07	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 90's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/21/07
TIME 1445
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.57	5.05	5.00	5.01	5.01		(STD)
Specific Conductivity	1.662	1.550	1.529	1.499	1.499		(m S/cm)
Turbidity (Turb)	1638.9	181.2	72.4	70.1	70.1		(NTU)
Dissolved Oxygen (DO)	2.63	4.35	3.96	3.74	3.74		(mg/l)
Temperature (Temp)	26.26	26.82	26.57	26.61	26.61		(°C)
ORP	-58.6	-24.9	-17.8	-12.9	-12.9		
Chloride							
Ferrous Iron							

Depth to Bottom	222.84	(In) (Minus)	Depth to Water	71.76	(In)	=	151.08	HT (in)
Depth to Bottom	18.57	(Ft) (Minus)	Depth to Water	5.98	(Ft)	=	12.59	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			151.08	1	3.14	474	.0043	2.0	6.1	7
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260		3-40ml Vials	HCL

COMMENTS: Purge water started out as Brown cloudy

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. ~~USTHPFF~~ UST1115GT-MW09	
SAMPLE NO. ~~USTHPFF~~ UST1115GT-MW09	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: Clouds 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE ~~UST1115GT-MW09~~ ~~DATE~~ ~~TIME~~ 8/22/07

Time 1030

No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.00	4.79	4.74	4.84	4.84		(STD)
Specific Conductivity	2.107	1.879	1.861	1.811	1.811		(m S/cm)
Turbidity (Turb)	132.6	111.7	85.4	13.7	13.7		(NTU)
Dissolved Oxygen (DO)	2.45	2.20	1.55	1.43	1.43		(mg/l)
Temperature (Temp)	22.74	23.47	23.52	23.49	23.49		(°C)
ORP	-26.8	-13.7	-27.7	-37.8	-37.8		
Chloride							
Ferrous Iron							

Depth to Bottom	227.40	(In) (Minus)	Depth to Water	74.64	(In)	=	152.76	HT (in)
Depth to Bottom	18.95	(Ft) (Minus)	Depth to Water	6.22	(Ft)	=	12.73	HT (ft)

18.95

d = 2 MEASUREMENTS (IN INCHES)

r = 1

d/2 = 1

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			152.76	1	3.14	480	.0043	2.1	6.2	7
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115GT-MW09	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF - MW12	
SAMPLE NO.USTHPFF - MW12	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 80-90'
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/20/07
TIME 1215
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.69	3.93	3.50	3.44	3.44		(STD)
Specific Conductivity	2.733	2.845	2.748	2562	2.562		(m S/cm)
Turbidity (Turb)	2049.7	26.3	46.2	14.3	14.3		(NTU)
Dissolved Oxygen (DO)	4.19	2.48	2.03	4.43	4.43		(mg/l)
Temperature (Temp)	22.13	22.36	22.76	22.47	22.47		(°C)
ORP	91.0	81.3	80.0	88.3	88.3		
Chloride							
Ferrous Iron							

Depth to Bottom	277.32	(In) (Minus)	Depth to Water	79.44	(In)	=	197.88	HT (in)
Depth to Bottom	33.11	(Ft) (Minus)	Depth to Water	16.62	(Ft)	=	16.49	HT (fl)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			197.88	1	3.14	621	.0043	2.7		8.0	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST HPFF-MW12~~	3-40ml Vials	HCL
	UST HPFF - MW12		

COMMENTS: Bio Sparge (organic broth) in well purged out.

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF - MW20	
SAMPLE NO.USTHPFF - MW20	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer / No

DATE 8/24/07

TIME 1406

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.80	5.55	5.54	5.51	5.51		(STD)
Specific Conductivity	0.184	0.181	0.177	0.164	0.164		(m S/cm)
Turbidity (Turb)	0	0.6	0	0	0		(NTU)
Dissolved Oxygen (DO)	1.97	0.83	0.79	0.60	0.60		(mg/l)
Temperature (Temp)	20.79	20.85	20.85	20.88	20.88		(°C)
ORP	118.4	115.3	114.9	110.8	110.8		
Chloride							
Ferrous Iron							

Depth to Bottom	315.24	(In) (Minus)	Depth to Water	104.88	(In)	=	210.36	HT (in)
Depth to Bottom	26.27	(Ft) (Minus)	Depth to Water	8.74	(Ft)	=	17.53	HT (ft)

d = 4

r = 1

d/2 = 1

MEASUREMENTS (IN INCHES)

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			210.36	1	3.14	2642	.0043	11.4		34.1	36
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF - MW20	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW36	
SAMPLE NO.USTHPFFC-MW36	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/21/07
TIME 1330
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.18	4.09	3.52	3.40	3.40		(STD)
Specific Conductivity	4.657	2.008	1.803	1.551	1.551		(m S/cm)
Turbidity (Turb)	677.8	254.6	194.4	122.8	122.8		(NTU)
Dissolved Oxygen (DO)	5.70	4.59	4.69	4.52	4.52		(mg/l)
Temperature (Temp)	27.70	28.27	28.02	28.26	28.26		(°C)
ORP	140.2	197.1	200.0	190.6	190.6		
Chloride							
Ferrous Iron							

Depth to Bottom	165.72	(In) (Minus)	Depth to Water	97.68	(In)	=	68.04	HT (in)
Depth to Bottom	1381	(Ft) (Minus)	Depth to Water	8.14	(Ft)	=	5.67	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			68.04	1	3.14	214	.0043	0.9	2.8	3 6
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW36	3-40ml Vials	HCL

COMMENTS: Purge water Brown - extremely silty

PURGE DISCHARGED: | DRUM: | DRUM# | SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW39	
SAMPLE NO.USTHPFFC-MW39	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/25/07
TIME 1130
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.91	7.83	7.79	7.73	7.73		(STD)
Specific Conductivity	0.381	0.380	0.374	0.374	0.374		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	1.13	1.02	0.63	0.36	0.36		(mg/l)
Temperature (Temp)	21.30	21.06	21.37	21.46	21.46		(°C)
ORP	-18.0	-17.4	-13.2	-12.1	-12.1		
Chloride							
Ferrous Iron							

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	125.04	(In)	=	1674.96	HT (in)
Depth to Bottom	150	(Ft) (Minus)	Depth to Water	10.42	(Ft)	=	139.58	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			1674.96	1	3.14	5259	.0043	22.6		67.8	70
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW39	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED: | DRUM: | DRUM# | SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW48	
SAMPLE NO.USTHPFFC-MW48	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 90's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/24/07
TIME 1500
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.13	5.88	5.88	5.86	5.88		(STD)
Specific Conductivity	0.387	0.328	0.339	0.354	0.354		(m S/cm)
Turbidity (Turb)	16.4	57.4	31.0	17.4	17.4		(NTU)
Dissolved Oxygen (DO)	2.63	1.34	1.06	0.91	0.91		(mg/l)
Temperature (Temp)	22.46	23.05	22.91	22.60	22.60		(°C)
ORP	93.9	103.6	109.4	103.5	103.5		
Chloride							
Ferrous Iron							

Depth to Bottom	180.60	(In) (Minus)	Depth to Water	95.04	(In)	=	85.56	HT (in)
Depth to Bottom	15.05	(Ft) (Minus)	Depth to Water	~~15.09~~ 7.92	(Ft)	=	7.13	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Multiply Together Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			85.56	1	3.14	269	.0043	1.2		3.5	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260		3-40ml Vials	HCL

COMMENTS: Duplicate Sample Taken.

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER:	125709
PROJECT NAME:	HPFF NW/SE
WELL NO. USTHPFFC-	MW51
SAMPLE NO.USTHPFFC-	MW51

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/25/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1215
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.41	6.49	6.55	4.66	4.66		(STD)
Specific Conductivity	0.501	0.478	0.632	0.413	0.413		(m S/cm)
Turbidity (Turb)	854.3	23.9	12.4	9.8	9.8		(NTU)
Dissolved Oxygen (DO)	3.25	3.09	2.16	3.90	3.90		(mg/l)
Temperature (Temp)	21.24	21.03	19.99	19.93	19.93		(°C)
ORP	172.8	212.4	279.1	304.9	304.9		
Chloride							
Ferrous Iron							

Depth to Bottom	186.12	(In) (Minus)	Depth to Water	133.56	(In)	=	52.56	HT (in)
Depth to Bottom	15.51	(Ft) (Minus)	Depth to Water	11.13	(Ft)	=	4.38	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			52.56	1	3.14	165	.0043	0.7		2.1	2.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW51	3-40ml Vials	HCL
Duplicate	USTHPFFC-MW51D		

COMMENTS: Duplicate Sample Taken

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW54	
SAMPLE NO.USTHPFFC-MW54	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/25/07
TIME 1300
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.43	6.38	6.21	6.20			(STD)
Specific Conductivity	0.663	0.657	0.602	0.602			(m S/cm)
Turbidity (Turb)	977.0	112.4	57.3	55.4			(NTU)
Dissolved Oxygen (DO)	6.39	3.69	1.13	0.90			(mg/l)
Temperature (Temp)	20.91	21.39	21.69	21.73			(°C)
ORP	120.3	115.9	105.2	105.1			
Chloride							
Ferrous Iron							

Depth to Bottom	205.80	(In) (Minus)	Depth to Water	78.96	(In)	=	126.84	HT (in)
Depth to Bottom	17.15	(Ft) (Minus)	Depth to Water	6.58	(Ft)	=	10.57	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			124.84	1	3.14	398	.0043	1.7		5.1	5.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW54	3-40ml Vials	HCL

COMMENTS: Biosmng (cottage cheese broth) in well purged out.

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. ~~USTHPFF~~ UST1115-MW13	
SAMPLE NO ~~USTHPFF~~ UST1115-MW13	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 80's Humid
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/24/07
TIME 0830
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.94	4.66	4.64	4.63	4.63		(STD)
Specific Conductivity	1.975	2.034	2.026	2.025	2.025		(m S/cm)
Turbidity (Turb)	80.8	3.6	2.4	0	0		(NTU)
Dissolved Oxygen (DO)	1.42	0.47	0.45	0.44	0.44		(mg/l)
Temperature (Temp)	27.11	26.20	26.03	25.93	25.93		(°C)
ORP	222.5	269.3	268.5	267.9	267.9		
Chloride							
Ferrous Iron							

Depth to Bottom	611.04	(In) (Minus)	Depth to Water	120.00	(In)	=	491.04	HT (in)
Depth to Bottom	50.92	(Ft) (Minus)	Depth to Water	10.00	(Ft)	=	40.92	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			491.04	1	3.14	1542	.0043	6.6		19	21
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW13	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115-MW14
SAMPLE NO. ~~USTHPFF~~ UST1115-MW14

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/22/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1500
PHONE: 910-451-2390	WEATHER: PC 90's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	3.65	2.96	2.97	2.97	2.97		(STD)
Specific Conductivity	3.925	2.898	2.893	2.850	2.89[a]		(m S/cm)
Turbidity (Turb)	0	1.0	0	0	0		(NTU)
Dissolved Oxygen (DO)	1.45	0.57	0.61	0.47	0.47		(mg/l)
Temperature (Temp)	25.58	24.56	24.27	24.25	24.25		(°C)
ORP	339.2	342.2	340.2	337.8	337.8		
Chloride							
Ferrous Iron							

Depth to Bottom	625.20	(In) (Minus)	Depth to Water	130.44	(In)	=	494.76	HT (in)
Depth to Bottom	52.10	(Ft) (Minus)	Depth to Water	10.87	(Ft)	=	41.23	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			494.76	1	3.14	1554	.0043	6.7		20	22
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW14	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115-MW15
SAMPLE NO. ~~USTHPFF~~ UST1115-MW15

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/24/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1030
PHONE: 910-451-2390	WEATHER: pc 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.87	7.24	7.29	7.36	7.36		(STD)
Specific Conductivity	0.212	0.204	0.203	0.203	0.203		(m S/cm)
Turbidity (Turb)	7.1	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	6.16	5.74	5.75	5.73	5.73		(mg/l)
Temperature (Temp)	26.31	25.26	25.27	25.27	25.27		(°C)
ORP	70.4	111.8	119.8	123.0	123.0		
Chloride							
Ferrous Iron							

Depth to Bottom	600.84	(In) (Minus)	Depth to Water	118.20	(In)	=	482.64	HT (in)
Depth to Bottom	50.07	(Ft) (Minus)	Depth to Water	9.85	(Ft)	=	40.22	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			482.64	1	3.14	1515	.0043	6.5		19.5	21
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW15	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. ~~USTHPFF~~ UST1115 = MW17	
SAMPLE NO. ~~USTHPFF~~ UST1115-MW17	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: HAZY 80'S
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer / No

DATE 8/22/07

TIME ~~1205~~ 1145

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	8.52	6.52	5.79	5.78	5.78		(STD)
Specific Conductivity	7.589	7.600	6.877	6.053	6.053		(m S/cm)
Turbidity (Turb)	3.9	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	2.36	1.43	4.25	1.20	1.2		(mg/l)
Temperature (Temp)	20.67	20.84	21.13	21.12	21.12		(°C)
ORP	-216.4	-147.9	107.9	110.8	110.8		
Chloride							
Ferrous Iron							

Depth to Bottom	606.48	(In) (Minus)	Depth to Water	131.52	(In)	=	474.96	HT (in)
Depth to Bottom	50.54	(Ft) (Minus)	Depth to Water	10.96	(Ft)	=	39.58	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			474.96	1	3.14	1491	.0043	6.4		19.2	21
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW17	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115-MW18
SAMPLE NO.USTHPFF UST1115-MW18 ←

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/22/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1000
PHONE: 910-451-2390	WEATHER:	
LEL:		
PID:	Sampling Device: Bailer	Well Locked: [X] Yes / No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.78	6.82	6.98	6.98	6.98		(STD)
Specific Conductivity	1.531	1.530	1.488	1.488	1.488		(m S/cm)
Turbidity (Turb)	308.2	53.6	0	0	0		(NTU)
Dissolved Oxygen (DO)	3.23	0.89	1.17	1.10	1.10		(mg/l)
Temperature (Temp)	21.77	21.08	21.30	21.29	21.29		(°C)
ORP	188.6	161.9	76.5	76.5	76.5		
Chloride							
Ferrous Iron							

Depth to Bottom	609.36	(In) (Minus)	Depth to Water	134.52	(In)	=	474.84	HT (in)
Depth to Bottom	50.78	(Ft) (Minus)	Depth to Water	11.21	(Ft)	=	39.57	HT (ft)

d = 2
r = 1
d/2 = 1

MEASUREMENTS (IN INCHES) Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			474.84	1	3.14	1491	.0043	6.4	18.2	20
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW18	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED: | DRUM: | DRUM# | SITE TREATMENT: [X]
OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. UST~~HPFF~~ UST1115-MW20
SAMPLE NO. ~~USTHPFF~~ UST1115-MW20

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/20/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1530
PHONE: 910-451-2390	WEATHER: PC. 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.71	5.61	5.49	5.58	5.58		(STD)
Specific Conductivity	3.379	2.550	2.420	2.413	2.413		(m S/cm)
Turbidity (Turb)	55.3	73.0	109.0	20.1	20.1		(NTU)
Dissolved Oxygen (DO)	4.68	1.94	1.47	1.42	1.42		(mg/l)
Temperature (Temp)	24.55	23.28	23.35	23.29	23.25		(°C)
ORP	-69.6	-62.0	-71.7	-75.4	-75.4		
Chloride							
Ferrous Iron							

Depth to Bottom	587.04	(In) (Minus)	Depth to Water	112.32	(In)	=	474.72	HT (in)
Depth to Bottom	48.92	(Ft) (Minus)	Depth to Water	9.36	(Ft)	=	39.56	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			472.72	1	3.14	1491	.0043	6.4		15.2	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW20	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115-MW21
SAMPLE NO. ~~USTHPFF~~ UST1115-MW21

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/23/07 ←
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1100
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.95	5.52	5.39	5.27	5.27		(STD)
Specific Conductivity	0.140	0.133	0.128	0.122	0.122		(m S/cm)
Turbidity (Turb)	43.7	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	9.61	0.47	0.29	0.21	0.21		(mg/l)
Temperature (Temp)	24.27	23.77	23.83	23.77	23.77		(°C)
ORP	209.6	230.9	166.8	155.7	155.7		
Chloride							
Ferrous Iron							

Depth to Bottom	603.00	(In) (Minus)	Depth to Water	117.96	(In)	=	485.04	HT (in)
Depth to Bottom	50.25	(Ft) (Minus)	Depth to Water	9.83	(Ft)	=	40.42	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			485.04	1	3.14	1523	.0043	6.5		19.6	21
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW21	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW44	
SAMPLE NO.USTHPFFC-MW44	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: pc 70-80
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer — No

DATE 8/25/07
TIME 0830

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.98	7.87	7.89	7.92	7.92		(STD)
Specific Conductivity	0.231	0.233	0.233	0.234	0.234		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	7.86	5.83	5.77	5.77	5.77		(mg/l)
Temperature (Temp)	21.67	20.60	20.77	20.79	20.79		(°C)
ORP	103.8	106.5	106.5	104.9	104.9		
Chloride							
Ferrous Iron							

Depth to Bottom	595.80	(In) (Minus)	Depth to Water	114.84	(In)	=	480.96	HT (in)
Depth to Bottom	49.65	(Ft) (Minus)	Depth to Water	9.57	(Ft)	=	40.08	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			480.96	1	3.14	1510	.0043	6.5		19.5	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW44	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC-MW47
		SAMPLE NO.USTHPFFC-MW47

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/25/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1100
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.56	7.34	7.34	7.34	7.34		(STD)
Specific Conductivity	0.642	0.650	0.650	0.650	0.650		(m S/cm)
Turbidity (Turb)	54.8	8.5	8.2	6.5	6.5		(NTU)
Dissolved Oxygen (DO)	1.36	0.51	0.547	0.45	0.45		(mg/l)
Temperature (Temp)	21.38	21.34	21.34	21.33	21.33		(°C)
ORP	-11.8	-17.3	-17.2	-17.0	-17.0		
Chloride							
Ferrous Iron							

Depth to Bottom	60276	(In) (Minus)	Depth to Water	124.80	(In)	=	477.96	HT (in)
Depth to Bottom	50.23	(Ft) (Minus)	Depth to Water	10.40	(Ft)	=	39.83	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			477.96	1	3.14	1501	.0043	6.5		19.4	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW47	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF-MW50	
SAMPLE NO.USTHPFF-MW50	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 90's
LEL:	
PID:	Sampling Device: Bailer

DATE 8/24/07
TIME 1530
Well Locked: [X] Yes
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.18	7.12	7.11	7.06			(STD)
Specific Conductivity	1.285	1.285	1.283	1.283			(m S/cm)
Turbidity (Turb)	16.3	7.9	0.7	3.4			(NTU)
Dissolved Oxygen (DO)	1.20	0.86	0.53	0.46			(mg/l)
Temperature (Temp)	20.89	20.84	20.71	20.68			(°C)
ORP	-70.8	-70.8	-70.2	-70.2			
Chloride							
Ferrous Iron							

Depth to Bottom	601.44	(In) (Minus)	Depth to Water	101.40	(In)	=	500.04	HT (in)
Depth to Bottom	50.12	(Ft) (Minus)	Depth to Water	8.45	(Ft)	=	41.67	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			500.04	1	3.14	1570	.0043	6.8	20.3	21
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260		3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED: | DRUM: | DRUM# | SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW53	
SAMPLE NO.USTHPFFC-MW53	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 80°-90's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/25/07
TIME 1430
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	8.99	9.27	9.30	9.36	9.36		(STD)
Specific Conductivity	0.502	0.509	0.511	0.514	0.514		(m S/cm)
Turbidity (Turb)	37.6	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	5.88	4.83	4.23	3.16	3.16		(mg/l)
Temperature (Temp)	20.86	20.97	20.40	20.16	26.16		(°C)
ORP	-52.3	-37.8	-2.1	19.6	19.6		
Chloride							
Ferrous Iron							

Depth to Bottom	594.12	(In) (Minus)	Depth to Water	129.96	(In)	=	464.12	HT (in)
Depth to Bottom	49.51	(Ft) (Minus)	Depth to Water	10.83	(Ft)	=	38.68	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together Vol.
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			464.12	1	3.14	1457	.0043	6.3		18.8	19
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFCMW53	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW73	←
SAMPLE NO.USTHPFFC-MW73	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1300.
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.60	7.88	7.94	8.02			(STD)
Specific Conductivity	0.275	0.275	0.275	0.275			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	0.70	0.25	0.18	0.11			(mg/l)
Temperature (Temp)	24.01	23.13	23.15	23.37			(°C)
ORP	-6.4	-12.9	-12.9	-88.3			
Chloride							
Ferrous Iron							

Depth to Bottom	599.60	(In) (Minus)	Depth to Water	140.40	(In)	=	454.20	HT (in)
Depth to Bottom	49.55	(Ft) (Minus)	Depth to Water	11.70	(Ft)	=	37.85	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			454.20	1	3.14	1426	.0043	6.1		18.4	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW73	3-40ml Vials	HCL

COMMENTS: ~~Bubbles in purge container.~~

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW76	
SAMPLE NO.USTHPFFC-MW76	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 70's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/25/07
TIME 0700
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.35	7.57	7.60	7.68	7.68		(STD)
Specific Conductivity	0.354	0.358	0.361	0.380	0.380		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	6.00	4.91	4.62	4.95	4.55		(mg/l)
Temperature (Temp)	21.83	21.58	21.49	21.54	21.54		(°C)
ORP	125.1	116.8	114.0	113.1	113.1		
Chloride							
Ferrous Iron							

Depth to Bottom	597.96	(In) (Minus)	Depth to Water	99.72	(In)	=	498.24	HT (in)
Depth to Bottom	49.83	(Ft) (Minus)	Depth to Water	8.31	(Ft)	=	41.52	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			498.24	1	3.14	1564	.0043	6.7		20.2	22
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW76	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115-MW22
SAMPLE NO. ~~USTHPFF~~ UST1115-MW22

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/22/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME ~~1115~~ 1205
PHONE: 910-451-2390	WEATHER: HAZY 80'S	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.07	7.16	7.18	7.17	7.17		(STD)
Specific Conductivity	0.521	0.512	0.514	0.514	0.514		(m S/cm)
Turbidity (Turb)	1.3	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	1.58	0.63	0.43	0.39	0.39		(mg/l)
Temperature (Temp)	22.01	21.95	22.24	22.17	22.12		(°C)
ORP	22.0	15.9	64.0	73.4	73.4		
Chloride							
Ferrous Iron							

Depth to Bottom	945.72	(In) (Minus)	Depth to Water	149.88	(In)	=	795.84	HT (in)
Depth to Bottom	78.81	(Ft) (Minus)	Depth to Water	12.49	(Ft)	=	66.32	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			795.84	1	3.14	2499	.0043	10.7		32.2	35
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW22	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115-MW23
SAMPLE NO. ~~USTHPFF~~ UST1115-MW23

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/22/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1020
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.42	6.43	6.38	6.40	6.40		(STD)
Specific Conductivity	4.276	3.785	~~3.643~~ 3.644	3.638	3.638		(m S/cm)
Turbidity (Turb)	40.1	28.9	1.5	0	0		(NTU)
Dissolved Oxygen (DO)	2.74	1.71	1.63	1.57	1.57		(mg/l)
Temperature (Temp)	21.92	21.54	21.46	21.47	21.47		(°C)
ORP	-173.2	-188.7	-192.0	-192.6	-192.6		
Chloride							
Ferrous Iron							

Depth to Bottom	981.24	(In) (Minus)	Depth to Water	92.64	(In)	=	888.60	HT (in)
Depth to Bottom	81.77	(Ft) (Minus)	Depth to Water	7.72	(Ft)	=	74.05	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			888.60	1	3.14	2790	.0043	12.0		36	39
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW23	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ US711S-MW24
SAMPLE NO. ~~USTHPFF~~ US711S-MW24

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/23/07 →
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1130
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.56	6.52	6.58	6.60	6.60		(STD)
Specific Conductivity	2.083	1.652	1.241	1.241	1.241		(m S/cm)
Turbidity (Turb)	25.6	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	5.58	2.09	1.56	1.47	1.47		(mg/l)
Temperature (Temp)	24.49	23.92	23.86	23.79	23.79		(°C)
ORP	-101.9	-139.7	-151.4	-163.2	-163.2		
Chloride							
Ferrous Iron							

Depth to Bottom	955.32	(In) (Minus)	Depth to Water	134.64	(In)	=	820.68	HT (in)
Depth to Bottom	79.61	(Ft) (Minus)	Depth to Water	11.22	(Ft)	=	68.39	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			820.68	1	3.14	2577	.0043	11.1		33.2	35
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	US711S-MW24	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ UST1115 - MW25
SAMPLE NO. ~~USTHPFF~~ UST1115 - MW25

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/24/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0900
PHONE: 910-451-2390	WEATHER: PC 80's Humid	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	10.61	10.85	10.73	10.73	10.73		(STD)
Specific Conductivity	0.414	0.433	0.439	0.444	0.444		(m S/cm)
Turbidity (Turb)	34.1	61.6	20.1	0	0		(NTU)
Dissolved Oxygen (DO)	2.19	1.20	1.17	1.14	1.14		(mg/l)
Temperature (Temp)	26.37	26.02	25.54	25.77	25.77		(°C)
ORP	2.7	-40.1	-39.8	-42.1	-42.1		
Chloride							
Ferrous Iron							

Depth to Bottom	959.88	(In) (Minus)	Depth to Water	126.24	(In)	=	833.64	HT (in)
Depth to Bottom	79.99	(Ft) (Minus)	Depth to Water	10.52	(Ft)	=	69.47	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			833.64	1	3.14	2618	.0043	11.3		33.8	~~40~~ 35
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115, MW25	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC-MW13
		SAMPLE NO.USTHPFFC-MW13

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/29/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1206
PHONE: 910-451-2390	WEATHER: PC - 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.87	8.23	8.25	8.25	8.25		(STD)
Specific Conductivity	0.712	0.701	0.698	0.698	0.698		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	4.39	3.57	2.96	1.43	1.43		(mg/l)
Temperature (Temp)	24.15	24.38	24.01	24.42	24.42		(°C)
ORP	-32.9	-38.8	-44.5	-45.6	-45.6		
Chloride							
Ferrous Iron							

Depth to Bottom	1320.00	(In) (Minus)	Depth to Water	129.24	(In)	=	1190.76	HT (in)
Depth to Bottom	~~50.92~~ 110.00	(Ft) (Minus)	Depth to Water	10.77	(Ft)	=	99.23	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			1190.76	1	3.14	3739	.0043	16.1		48.2	50
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW13	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-HW43	
SAMPLE NO.USTHPFFC-HW43	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/25/07
TIME 0915
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	9.03	8.76	8.37	7.97	7.97		(STD)
Specific Conductivity	0.179	0.179	0.178	0.178	0.179		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	3.84	3.83	3.82	3.79	3.79		(mg/l)
Temperature (Temp)	21.33	21.36	21.44	21.49	21.49		(°C)
ORP	52.7	53.8	56.9	38.7	38.7		
Chloride							
Ferrous Iron							

Depth to Bottom	963.00	(In) (Minus)	Depth to Water	105.60	(In)	=	857.40	HT (in)
Depth to Bottom	80.25	(Ft) (Minus)	Depth to Water	8.80	(Ft)	=	71.45	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together Vol.
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			857.40	1	3.14	2692	.0043	11.6		34.7	37
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-HW43	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC-MW55
		SAMPLE NO.USTHPFFC-MW55

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/25/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1445
PHONE: 910-451-2390	WEATHER: 80-90's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.74	6.64	6.57	6.49	6.49		(STD)
Specific Conductivity	0.278	0.279	0.276	0.276	0.276		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	4.39	3.08	1.72	0.63	0.63		(mg/l)
Temperature (Temp)	20.49	21.53	21.97	21.96	21.96		(°C)
ORP	115.8	121.4	129.8	137.9	137.9		
Chloride							
Ferrous Iron							

Depth to Bottom	947.76	(In) (Minus)	Depth to Water	112.20	(In)	=	835.56	HT (in)
Depth to Bottom	78.98	(Ft) (Minus)	Depth to Water	9.35	(Ft)	=	~~69.63~~ 69.63	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			835.56	1	3.14	2624	.0043	11.3		33.8	35
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260		3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF C-MW56	
SAMPLE NO.USTHPFFC-MW56	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer / No

DATE 8/24/07
TIME 1230

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	11.12	10.97	10.83	10.82	10.82		(STD)
Specific Conductivity	0.659	0655	0.654	0.655	0.655		(m S/cm)
Turbidity (Turb)	1.0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	3.88	3.16	2.85	1.54	1.54		(mg/l)
Temperature (Temp)	24.65	25.01	24.35	24.34	24.34		(°C)
ORP	-28.3	-32.6	-37.9	-38.0	-38.0		
Chloride							
Ferrous Iron							

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	130.68	(In)	=	1669.32	HT (in)
Depth to Bottom	150.00	(Ft) (Minus)	Depth to Water	10.89	(Ft)	=	139.11	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
d/2 = 1

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			1669.32	1	3.14	5242	.0043	22.5		67.6	70
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW56	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFFC - MW74
SAMPLE NO. USTHPFFC-MW74

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1330
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.46	7.11	7.17	7.23	7.23		(STD)
Specific Conductivity	2.131	1.707	1.505	1.475	1.475		(m S/cm)
Turbidity (Turb)	29.5	0	0	0			(NTU)
Dissolved Oxygen (DO)	1.74	2.06	1.56	1.39			(mg/l)
Temperature (Temp)	26.05	24.27	23.40	23.79			(°C)
ORP	-24.0	-5.8	-85.4	-101.6			
Chloride							
Ferrous Iron							

Depth to Bottom	953.40	(In) (Minus)	Depth to Water	142.92	(In)	=	810.48	HT (in)
Depth to Bottom	79.45	(Ft) (Minus)	Depth to Water	11.91	(Ft)	=	67.54	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			810.48	1	3.14	2545	.0043	10.9		32.8	3.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW74	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFF - MW01
SAMPLE NO.USTHPFF - MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/15/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1100
PHONE: 910-451-2390	WEATHER: PC - 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.86	5.14	5.23	5.24	5.24		(STD)
Specific Conductivity	3.057	2.415	2.042	1.733	1.733		(m S/cm)
Turbidity (Turb)	438.8	8.3	0	0	0		(NTU)
Dissolved Oxygen (DO)	3.14	1.44	1.26	1.40	1.40		(mg/l)
Temperature (Temp)	23.04	23.71	23.69	23.61	23.61		(°C)
ORP	-82.1	-87.2	-93.9	-95.3	-95.3		
Chloride							
Ferrous Iron							

Depth to Bottom	227.76	(In) (Minus)	Depth to Water	117.60	(In)	=	110.16	HT (in)
Depth to Bottom	18.98	(Ft) (Minus)	Depth to Water	9.80	(Ft)	=	9.18	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			110.16	1	3.14	346.	.0043	1.5		4.5	4.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MW01	3-40ml Vials	HCL

COMMENTS: Started purging Brown cloudy & cleared

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF-MW06	
SAMPLE NO.USTHPFF-MW06	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: Sunny 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/21/07
TIME 1030
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.95	5.54	5.20	5.21	5.21		(STD)
Specific Conductivity	1.727	2.247	2.309	2.118	2.118		(m S/cm)
Turbidity (Turb)	254.3	236.0	128.0	76.7	76.7		(NTU)
Dissolved Oxygen (DO)	6.60	3.56	3.38	4.91	4.81		(mg/l)
Temperature (Temp)	26.69	24.05	24.01	24.01	24.01		(°C)
ORP	-71.0	-37.3	-42.0	-68.8	-68.8		
Chloride							
Ferrous Iron							

Depth to Bottom	196.08	(In) (Minus)	Depth to Water	110.52	(In)	=	85.56	HT (in)
Depth to Bottom	16.34	(Ft) (Minus)	Depth to Water	9.21	(Ft)	=	7.13	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			85.56	1	3.14	269	.0043	1.2	3.5	3.5
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MW06	3-40ml Vials	HCL

COMMENTS: Purge water started out as Black

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF – MW09	
SAMPLE NO.USTHPFF – MW09	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/16/07
TIME 1251
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.32	6.31	6.30	6.30			(STD)
Specific Conductivity	0.236	0.233	0.233	0.233			(m S/cm)
Turbidity (Turb)	1.7	6.8	10.8	11.0			(NTU)
Dissolved Oxygen (DO)	3.31	3.06	2.93	2.91			(mg/l)
Temperature (Temp)	24.46	24.66	24.70	24.72			(°C)
ORP	245.0	258.9	267.9	269.0			
Chloride							
Ferrous Iron							

Depth to Bottom	16.68	(In) (Minus)	Depth to Water	10.90	(In)	=	5.78	HT (in)
Depth to Bottom	200.16	(Ft) (Minus)	Depth to Water	130.80	(Ft)	=	69.36	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together Vol.
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			68.36	1	3.14	218	.0043	0.942		1	2.25
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MW09	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFF-MW10R
		SAMPLE NO.USTHPFF-MW10R

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/21/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1130
PHONE: 910-451-2390	WEATHER: Sunny 90's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.57	6.07	5.95	5.91	5.91		(STD)
Specific Conductivity	3.280	3.256	3.130	3.128	3.128		(m S/cm)
Turbidity (Turb)	47.4	15.3	3.9	3.7	3.7		(NTU)
Dissolved Oxygen (DO)	3.69	2.67	2.00	1.96	1.96		(mg/l)
Temperature (Temp)	24.95	24.57	24.47	24.52	24.52		(°C)
ORP	-94.9	-106.5	-104.3	-109.3	-109.3		
Chloride							
Ferrous Iron							

Depth to Bottom	209.72	(In) (Minus)	Depth to Water	155.04	(In)	=	49.68	HT (in)
Depth to Bottom	17.06	(Ft) (Minus)	Depth to Water	12.92	(Ft)	=	4.14	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			49.68	1	3.14	156	.0043	0.7		2.0	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MW10R	3-40ml Vials	HCL

COMMENTS: Sm. Air Bubbles in purge water.

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF - MW11	
SAMPLE NO.USTHPFF - MW11	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: Cloudy Hazy 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer / No

DATE 8/16/07
TIME 1430

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.71			3.97			(STD)
Specific Conductivity	4.071			2.597			(m S/cm)
Turbidity (Turb)	2106.4			2108.7			(NTU)
Dissolved Oxygen (DO)	4.68			4.86			(mg/l)
Temperature (Temp)	25.34			25.43			(°C)
ORP	103.3			151.3			
Chloride							
Ferrous Iron							

Depth to Bottom	20236	(In) (Minus)	Depth to Water	79.20	(In)	=	128.16	HT (in)
Depth to Bottom	17.28	(Ft) (Minus)	Depth to Water	6.60	(Ft)	=	10.68	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			128.16	1	3.14	402	.0043	1.7	5.2	~~5.5~~ 1
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MW11	3-40ml Vials	HCL

COMMENTS: Purge water started out extremly silty Purged Dry - 1/2 gal Allowed to Recharged & Took Final Reading

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFF – MW15
SAMPLE NO.USTHPFF – MW15

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/17/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1230
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: ~~Bailer~~ Peristaltic Pump	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.17	6.17	6.17	6.17			(STD)
Specific Conductivity	0.262	0.261	0.262	0.262			(m S/cm)
Turbidity (Turb)	7.3	5.7	5.2	2.6			(NTU)
Dissolved Oxygen (DO)	0.36	0.37	0.36	0.35			(mg/l)
Temperature (Temp)	25.07	25.10	25.08	25.07			(°C)
ORP	110.9	111.0	111.4	109.1			
Chloride							
Ferrous Iron							

Depth to Bottom	22.61	(In) (Minus)	Depth to Water	9.20	(In)	=	13.41	HT (in)
Depth to Bottom	27.32	(Ft) (Minus)	Depth to Water	110.40	(Ft)	=	160.92	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			160.92	1	3.14	505	.0043	2.18		2	4
Middle					3.14		.0043			3	
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MW15	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF- MW17	
SAMPLE NO.USTHPFF MW17	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 80°
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/16/07
TIME 0845
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.52	6.05	5.97	5.97	5.97		(STD)
Specific Conductivity	3.046	3.063	2.994	2.948	2.948		(m S/cm)
Turbidity (Turb)	1.8	94.7	0	0	0		(NTU)
Dissolved Oxygen (DO)	4.37	3.17	2.00	2.02	2.02		(mg/l)
Temperature (Temp)	23.34	22.79	23.10	23.23	23.23		(°C)
ORP	-80.7	-66.8	-76.0	-77.2	-77.2		
Chloride							
Ferrous Iron							

Depth to Bottom	345.72	(In) (Minus)	Depth to Water	140.52	(In)	=	205.20	HT (in)
Depth to Bottom	28.81	(Ft) (Minus)	Depth to Water	11.71	(Ft)	=	17.10	HT (ft)

d = 4 MEASUREMENTS (IN INCHES)
r = 1
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			205.20	1	3.14	2577	.0043	11.1		33.2	35
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

Multiply Together

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MW17	3-40ml Vials	HCL

COMMENTS: AIR Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFF-MW18
		SAMPLE NO.USTHPFF-MW18

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/15/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1015
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.76	5.25	5.25	5.26	5.26		(STD)
Specific Conductivity	2.907	2.763	2.614	2.580	2.580		(m S/cm)
Turbidity (Turb)	81.2	0	0	0			(NTU)
Dissolved Oxygen (DO)	5.75	2.26	2.49	1.62	1.62		(mg/l)
Temperature (Temp)	25.54	24.66	24.79	24.65	24.65		(°C)
ORP	-36.1	-81.2	-103.4	-117.3	-117.3		
Chloride							
Ferrous Iron							

Depth to Bottom	309.84	(In) (Minus)	Depth to Water	147.00	(In)	=	162.84	HT (in)
Depth to Bottom	25.82	(Ft) (Minus)	Depth to Water	12.25	(Ft)	=	13.57	HT (ft)

d = 4 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			162.84	1	3.14	2045	.0043	8.8		26.4	27
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW18	3-40ml Vials	HCL

COMMENTS: Started purging Brn Cloudy water & Cleared

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFF-MW19
		SAMPLE NO.USTHPFF MW19

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/14/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1500
PHONE: 910-451-2390	WEATHER: Sunny 90's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.47	5.30	5.35	5.36	5.34		(STD)
Specific Conductivity	1.521	1.457	1.446	1.399	1.395		(m S/cm)
Turbidity (Turb)	2114.9	42.9	39.8	36.2	36.1		(NTU)
Dissolved Oxygen (DO)	3.20	2.40	2.35	2.26	2.25		(mg/l)
Temperature (Temp)	25.75	25.65	25.78	26.33	26.33		(°C)
ORP	82.7	83.6	83.0	80.7	80.7		
Chloride							
Ferrous Iron							

Depth to Bottom	325.08	(In) (Minus)	Depth to Water	131.20	(In)	=	173.88	HT (in)
Depth to Bottom	27.09	(Ft) (Minus)	Depth to Water	12.60	(Ft)	=	14.43	HT (ft)

d = 4" MEASUREMENTS (IN INCHES)

r = 2

d/2 = 2" Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			173.88	1	3.14	~~546~~	.0043	9.4		8.2	30
Middle					3.14	2184	.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MW19	3-40ml Vials	HCL

COMMENTS: Purge water started out very muddy

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFFC-MW01
SAMPLE NO. USTHPFFC-MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0930
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.27	5.41	5.30	5.47	5.47		(STD)
Specific Conductivity	0.219	0.176	0.184	0.186	0.186		(m S/cm)
Turbidity (Turb)	606.9	32.8	16.2	0	0		(NTU)
Dissolved Oxygen (DO)	1.32	3.45	0.87	3.50	3.50		(mg/l)
Temperature (Temp)	22.45	24.75	24.82	24.52	24.52		(°C)
ORP	149.6	208.9	178.1	171.3	171.3		
Chloride							
Ferrous Iron							

Depth to Bottom	180.36	(In) (Minus)	Depth to Water	64.20	(In)	=	116.16	HT (in)
Depth to Bottom	15.03	(Ft) (Minus)	Depth to Water	5.35	(Ft)	=	9.68	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			116.16	1	3.14	365	.0043	1.6		4.7	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW01	3-40ml Vials	HCL
Duplicate	USTHPFFC-MW01D		

COMMENTS: Bio Smag (organic groth) in well purged out

Duplicate Sample Taken

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF C-MW02	
SAMPLE NO.USTHPFFC-MW02	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: Sunny 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/20/07
TIME 0800
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.61	4.08	4.23	4.28	4.28		(STD)
Specific Conductivity	2.934	2.519	2.394	2.287	2.287		(m S/cm)
Turbidity (Turb)	2055.9	113.0	90.6	76.7	76.7		(NTU)
Dissolved Oxygen (DO)	4.26	2.39	2.17	2.11	2.11		(mg/l)
Temperature (Temp)	22.31	22.05	22.06	22.05	22.05		(°C)
ORP	34.5	11.6	-17.0	-24.3	-24.3		
Chloride							
Ferrous Iron							

Depth to Bottom	177.60	(In) (Minus)	Depth to Water	88.44	(In)	=	89.16	HT (in)
Depth to Bottom	14.80	(Ft) (Minus)	Depth to Water	7.37	(Ft)	=	7.43	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			89.16	1	3.14	280	.0043	1.2		3.6	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW02	3-40ml Vials	HCL
Duplicate	USTHPFFC-MW02D		

COMMENTS: Duplicate Sample Taken

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC-MW03
		SAMPLE NO.USTHPFFC-MW03

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/14/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1400
PHONE: 910-451-2390	WEATHER: Sunny 90's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	4.83	3.96	3.64	3.65	3.65		(STD)
Specific Conductivity	2.478	2.590	2.460	2.401	2.401		(m S/cm)
Turbidity (Turb)	14.9	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	3.10	1.27	1.14	1.20	1.20		(mg/l)
Temperature (Temp)	27.71	23.63	24.18	24.62	24.62		(°C)
ORP	104.1	136.4	140.8	134.2	134.2		
Chloride							
Ferrous Iron							

Depth to Bottom	211.80	(In) (Minus)	Depth to Water	127.68	(In)	=	84.12	HT (in)
Depth to Bottom	17.65	(Ft) (Minus)	Depth to Water	10.64	(Ft)	=	7.01	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			84.12	1	3.14	264	.0043	1.1		3.4	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW03	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW05	
SAMPLE NO.USTHPFFC-MW05	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: Cloudy 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/16/07

TIME 1115

No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.06	5.40	5.44	5.39	5.38		(STD)
Specific Conductivity	2.171	2.160	2.253	2.404	2.404		(m S/cm)
Turbidity (Turb)	2131.1	93.1	139.1	102.1	102.1		(NTU)
Dissolved Oxygen (DO)	4.78	1.93	1.31	1.32	1.32		(mg/l)
Temperature (Temp)	27.04	28.83	29.10	29.02	29.02		(°C)
ORP	-3.7	12.7	-6.5	-6.5	-6.5		
Chloride							
Ferrous Iron							

Depth to Bottom	176.52	(In) (Minus)	Depth to Water	87.36	(In)	=	89.16	HT (in)
Depth to Bottom	14.71	(Ft) (Minus)	Depth to Water	7.28	(Ft)	=	7.43	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			89.16	1	3.14	280	.0043	1.2		3.6	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW05	3-40ml Vials	HCL

COMMENTS: Started Purging very SANDY/Silty water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC-MW15
		SAMPLE NO.USTHPFFC-MW15

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/16/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0915
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.55	5.15	5.11	5.10	5.10		(STD)
Specific Conductivity	3.335	3.175	3.163	3.148	3.148		(m S/cm)
Turbidity (Turb)	227.2	42.2	12.0	12.0	12.0		(NTU)
Dissolved Oxygen (DO)	4.17	3.78	3.32	3.44	3.44		(mg/l)
Temperature (Temp)	23.41	23.32	23.15	23.06	23.06		(°C)
ORP	-27.1	-28.2	-38.4	-42.4	-42.4		
Chloride							
Ferrous Iron							

Depth to Bottom	184.68	(In) (Minus)	Depth to Water	85.92	(In)	=	98.76	HT (in)
Depth to Bottom	15.39	(Ft) (Minus)	Depth to Water	7.16	(Ft)	=	8.23	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			98.76	1	3.14	310	.0043	1.3		4.0	4.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW15	3-40ml Vials	HCL

COMMENTS: Water had a gasoline smell

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFF C-MW19
		SAMPLE NO.USTHPFFC-MW19

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/20/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0730
PHONE: 910-451-2390	WEATHER: Sunny Hi 70's Humid	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.44	5.95	5.99	5.86	5.86		(STD)
Specific Conductivity	4.423	4.014	3.896	3.836	3.836		(m S/cm)
Turbidity (Turb)	65.6	47.0	5.4	0	0		(NTU)
Dissolved Oxygen (DO)	8.81	4.69	3.93	4.09	4.09		(mg/l)
Temperature (Temp)	23.06	24.46	23.84	23.69	23.69		(°C)
ORP	58.7	-140.3	-171.4	184.1	184.1		
Chloride							
Ferrous Iron							

Depth to Bottom	181.32	(In) (Minus)	Depth to Water	77.64	(In)	=	103.68	HT (in)
Depth to Bottom	15.11	(Ft) (Minus)	Depth to Water	6.47	(Ft)	=	8.64	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			103.68	1	3.14	326	.0043	1.4		4.2	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW19	3-40ml Vials	HCL
Dup	USTHPFFC-MW19D		

COMMENTS: Duplicate Sample Taken

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW20	
SAMPLE NO.USTHPFFC-MW20	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: Sunny Hi 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/14/07
TIME 1215
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.82	5.96	5.73	5.73	5.73		(STD)
Specific Conductivity	1.564	1.552	1.562	1.555	1.558		(m S/cm)
Turbidity (Turb)	417.0	66.2	6.4	0	0		(NTU)
Dissolved Oxygen (DO)	3.73	1.41	0.98	0.96	0.96		(mg/l)
Temperature (Temp)	26.56	24.65	25.45	25.41	25.41		(°C)
ORP	-90.2	-138.4	-151.3	-152.6	-152.6		
Chloride							
Ferrous Iron							

Depth to Bottom	170.40	(In) (Minus)	Depth to Water	100.68	(In)	=	69.72	HT (in)
Depth to Bottom	14.20	(Ft) (Minus)	Depth to Water	8.39	(Ft)	=	5.81	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			69.72	1	3.14	219	.0043	0.9		2.8	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW20	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF6 - MW31	
SAMPLE NO. USTHPFF 6 - MW31	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: ~~Bailer~~ Peri Pump
	No

DATE 8/15/07
TIME 1505

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.79	6.80	6.81	6.80			(STD)
Specific Conductivity	0.514	0.516	0.516	0.517			(m S/cm)
Turbidity (Turb)	2.9	2.6	2.2	3.0			(NTU)
Dissolved Oxygen (DO)	2.02	2.03	2.04	2.07			(mg/l)
Temperature (Temp)	24.70	24.69	24.77	24.76			(°C)
ORP	470.8	471.4	472.4	473.1			
Chloride							
Ferrous Iron							

Depth to Bottom	13.85	(In) (Minus)	Depth to Water	8.90	(In)	=	4.95	HT (in)
Depth to Bottom	166.20	(Ft) (Minus)	Depth to Water	106.80	(Ft)	=	55.40	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			55.40	1	3.14	187	.0043	0.80		3	4
Middle					3.14		.0043	0.80			
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW31	3-40ml Vials	HCL

COMMENTS: Heavy debris - purged clear

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW38	
SAMPLE NO.USTHPFFC-MW38	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: PC 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/15/07
TIME 0830
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH 5.67	8.02 MP	5.05					(STD)
Specific Conductivity	2.530	2.778					(m S/cm)
Turbidity (Turb)	1310.8	2166					(NTU)
Dissolved Oxygen (DO)	8.03	6.87					(mg/l)
Temperature (Temp)	25.49	25.37					(°C)
ORP	115.0	99.2					
Chloride							
Ferrous Iron							

Depth to Bottom	157.80	(In) (Minus)	Depth to Water	105.96	(In)	=	51.84	HT (in)
Depth to Bottom	13.15	(Ft) (Minus)	Depth to Water	8.83	(Ft)	=	4.32	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			51.84	1	3.14	163	.0043	0.7	2.1	~~3~~ 3/4
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW38	3-40ml Vials	HCL

COMMENTS: Water started out Brown, Purged Dry @ 3/4 gal
Allowed to Recover then Sampled.

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFFC-MW72
SAMPLE NO.USTHPFFC-MW72

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/17/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1215
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: ~~Bailer~~ Geri Pump	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.01	5.99	5.85	5.76	5.75		(STD)
Specific Conductivity	0.315	0.308	0.302	0.296	0.294		(m S/cm)
Turbidity (Turb)	27.2	34.4	16.1	30.9	356		(NTU)
Dissolved Oxygen (DO)	0.28	0.26	0.18	0.18	0.18		(mg/l)
Temperature (Temp)	23.96	24.02	24.01	24.11	24.12		(°C)
ORP	-134.3	-131.5	-140.9	-125.6	-124.3		
Chloride							
Ferrous Iron							

Depth to Bottom	30.17	(In) (Minus)	Depth to Water	5.95	(In)	=	24.22	HT (in)
Depth to Bottom	362.04	(Ft) (Minus)	Depth to Water	71.40	(Ft)	=	290.64	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			290.64	1	3.14	913	.0043	3.94		4	5.6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW72	3-40ml Vials	HCL

COMMENTS: Product in well

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. UST~~HPFF~~ 1101-MW01
SAMPLE NO. UST~~HPFF~~ 1101-MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/16/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1330
PHONE: 910-451-2390	WEATHER: 80's Cloudy.	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.30	6.70	5.78	5.78			(STD)
Specific Conductivity	4.019	3.523	3.449	3.400			(m S/cm)
Turbidity (Turb)	423.3	94.2	7.8	0			(NTU)
Dissolved Oxygen (DO)	4.05	3.83	3.08	4.33			(mg/l)
Temperature (Temp)	28.55	28.70	28.47	28.54			(°C)
ORP	33.5	65.3	66.2	65.1			
Chloride							
Ferrous Iron							

Depth to Bottom	156.96	(In) (Minus)	Depth to Water	96.48	(In)	=	60.48	HT (in)
Depth to Bottom	13.08	(Ft) (Minus)	Depth to Water	8.04	(Ft)	=	5.04	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			60.48	1	3.14	190	.0043	0.8		2.4	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1101-MW01	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC - MW06
		SAMPLE NO.USTHPFFC - MW06

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/13/07 8/14/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1130
PHONE: 910-451-2390	WEATHER: Sunny 80's (High)	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.91	4.65	4.69	4.68	4.68		(STD)
Specific Conductivity	2.283	2.264	2.034	1.897	1.897		(m S/cm)
Turbidity (Turb)	41.6	35.4	5.2	3.3	3.3		(NTU)
Dissolved Oxygen (DO)	5.18	2.55	1.25	1.10	1.10		(mg/l)
Temperature (Temp)	25.70	22.54	22.22	22.28	22.28		(°C)
ORP	59.6	91.3	63.9	62.5	62.5		
Chloride							
Ferrous Iron							

Depth to Bottom	625.20	(In) (Minus)	Depth to Water	143.04	(In)	=	482.16	HT (in)
Depth to Bottom	52.10	(Ft) (Minus)	Depth to Water	11.92	(Ft)	=	40.18	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			482.16	1	3.14	1514	.0043	6.5		19.5	21
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW06	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC - MW07	
SAMPLE NO. USTHPFFC-MW07	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: 70-80 Cloudy
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/23/07
TIME 0830
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.86	5.64	5.66	5.67	5.67		(STD)
Specific Conductivity	2.392	2.104	2.094	2.012	2.012		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	5.36	4.01	3.82	3.51	3.51		(mg/l)
Temperature (Temp)	21.55	20.97	21.06	21.05	21.05		(°C)
ORP	84.7	78.9	63.9	7.4	7.4		
Chloride							
Ferrous Iron							

Depth to Bottom	583.20	(In) (Minus)	Depth to Water	129.12	(In)	=	454.08	HT (in)
Depth to Bottom	48.60	(Ft) (Minus)	Depth to Water	10.76	(Ft)	=	37.84	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			454.08	1	3.14	1426	.0043	6.1		18.4	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW07	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC - MW08	
SAMPLE NO.USTHPFFC - MW08	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: pc 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer — No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.74	6.42	6.31	6.36	6.36		(STD)
Specific Conductivity	2.450	2.411	2.271	2.214	2.214		(m S/cm)
Turbidity (Turb)	192.1	46.8	8.7	0	0		(NTU)
Dissolved Oxygen (DO)	3.32	2.37	2.00	1.86	1.86		(mg/l)
Temperature (Temp)	27.71	26.49	25.52	24.81	24.87		(°C)
ORP	-171.7	-166.5	-165.9	-169.0	-169.0		
Chloride							
Ferrous Iron							

Depth to Bottom	612.72	(In) (Minus)	Depth to Water	198.84	(In)	=	413.88	HT (in)
Depth to Bottom	51.04	(Ft) (Minus)	Depth to Water	16.57	(Ft)	=	34.49	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			413.88	1	3.14	1300	.0043	5.6	16.8	17
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC - MW08	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC-MW09
		SAMPLE NO.USTHPFFC-MW09

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/16/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1030
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.27	5.94	5.96	5.95	5.85		(STD)
Specific Conductivity	2.106	6.595	6.690	6.687	6.687		(m S/cm)
Turbidity (Turb)	12.2	114.2	121.2	74.5	74.5		(NTU)
Dissolved Oxygen (DO)	3.31	3.65	1.38	1.20	1.20		(mg/l)
Temperature (Temp)	25.19	24.06	24.60	24.57	24.57		(°C)
ORP	-74.8	-104.5	-108.1	-110.4	-110.4		
Chloride							
Ferrous Iron							

Depth to Bottom	590.76	(In) (Minus)	Depth to Water	111.60	(In)	=	479.16	HT (in)
Depth to Bottom	49.23	(Ft) (Minus)	Depth to Water	9.30	(Ft)	=	39.93	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			479.16	1	3.14	1505	.0043	6.5		19.4	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW09	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

Deep

Bag < 1

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC-MW61
		SAMPLE NO.USTHPFFC-MW61

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/20/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1430
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.19	7.56	7.96	8.03	8.03		(STD)
Specific Conductivity	4.197	3.506	3.546	3.356	3.356		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	6.02	4.12	3.86	3.82	3.82		(mg/l)
Temperature (Temp)	24.69	22.67	22.59	22.73	22.73		(°C)
ORP	-34.8	30.6	29.2	30.0	30.0		
Chloride							
Ferrous Iron							

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	128.40	(In)	=	1671.60	HT (in)
Depth to Bottom	150.00	(Ft) (Minus)	Depth to Water	10.70	(Ft)	=	139.30	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			1671.60	1	3.14	5249	.0043	22.6		67.7	70
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW61	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFF-MW63
SAMPLE NO.USTHPFF-MW63

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/15/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1406
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: ~~Bailer~~ Peri Pump	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	4.99	4.98	4.98	4.98			(STD)
Specific Conductivity	0.210	0.211	0.211	0.210			(m S/cm)
Turbidity (Turb)	11.5	11.1	10.3	8.7			(NTU)
Dissolved Oxygen (DO)	0.66	0.64	0.64	0.63			(mg/l)
Temperature (Temp)	22.06	22.04	22.03	22.05			(°C)
ORP	566.1	567.0	567.7	568.2			
Chloride							
Ferrous Iron							

Depth to Bottom	48.75	(In) (Minus)	Depth to Water	10.99	(In)	=	37.76	HT (in)
Depth to Bottom	585.00	(Ft) (Minus)	Depth to Water	131.88	(Ft)	=	453.12	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			453.12	1	3.14	1423	.0043	~~6.12~~		~~6~~	~~9~~
Middle					3.14		.0043	6.15		7	9
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW63	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

MJ

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF C-MW06	
SAMPLE NO.USTHPFF C-MW06	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: ~~Bailer~~ Peristaltic Pump

DATE 8/17/07
TIME 1151
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.80	6.81	6.82	6.81			(STD)
Specific Conductivity	0.709	0.708	0.708	0.708			(m S/cm)
Turbidity (Turb)	7.7	10.9	8.6	7.8			(NTU)
Dissolved Oxygen (DO)	0.89	0.74	0.70	0.67			(mg/l)
Temperature (Temp)	22.67	22.85	22.86	22.87			(°C)
ORP	16.8	15.8	15.5	15.2			
Chloride							
Ferrous Iron							

Depth to Bottom	48.63	(In) (Minus)	Depth to Water	9.42	(In)	=	39.21	HT (in)
Depth to Bottom	583.56	(Ft) (Minus)	Depth to Water	113.04	(Ft)	=	470.52	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			470.52	1	3.14	1477	.0043	6.39		7	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW06	3-40ml Vials	HCL

COMMENTS: Sheen in purge water.

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFFC - MW70
SAMPLE NO.USTHPFFC - MW70

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/16/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1435
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: ~~Bailer~~	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.02	7.03	7.02	7.03			(STD)
Specific Conductivity	0.998	1.003	1.001	0.999			(m S/cm)
Turbidity (Turb)	11.4	9.6	11.6	11.5			(NTU)
Dissolved Oxygen (DO)	0.39	0.36	0.35	0.35			(mg/l)
Temperature (Temp)	21.46	21.46	21.58	21.62			(°C)
ORP	-53.5	-54.2	-54.7	-54.8			
Chloride							
Ferrous Iron							

Depth to Bottom	149.75	(In) (Minus)	Depth to Water	17.85	(In)	=	37.90	HT (in)
Depth to Bottom	597.00	(Ft) (Minus)	Depth to Water	142.20	(Ft)	=	454.80	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			454.80	1	3.14	1428	.0043	6.17		7	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC- MW70	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFFC-MW77
SAMPLE NO.USTHPFFC-MW77

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE ~~8/15~~ 8/15/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0936
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: ~~Bailer~~ Peristaltic Pump	[X] No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	5.35	5.35	5.35	5.35			(STD)
Specific Conductivity	0.100	0.100	0.100	0.100			(m S/cm)
Turbidity (Turb)	7.0	10.4	6.1	2.2			(NTU)
Dissolved Oxygen (DO)	2.68	2.68	2.69	2.67			(mg/l)
Temperature (Temp)	21.31	21.35	21.20	21.33			(°C)
ORP	397.1	396.1	397.0	397.1			
Chloride							
Ferrous Iron							

596.76 138.72 458.04

Depth to Bottom	~~49.73~~	(In) (Minus)	Depth to Water	~~11.56~~	(In)	=	~~38.17~~	HT (in)
Depth to Bottom	49.73	(Ft) (Minus)	Depth to Water	11.56	(Ft)	=	38.17	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			458.04	1	3.14	1438	.0043	~~9.84~~		~~X5~~	~~24~~ 32
Middle					3.14		.0043	6.22		7	8
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW77	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFFC-MW10	
SAMPLE NO. USTHPFFC-MW10	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER: Clouds 80°
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/16/07
TIME 0720
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.29	7.25	6.62	6.55	6.55		(STD)
Specific Conductivity	2.850	4.125	4.127	4.071	4.071		(m S/cm)
Turbidity (Turb)	2.2	29.6	21.8	21.5	21.5		(NTU)
Dissolved Oxygen (DO)	6.02	4.90	2.72	2.43	2.43		(mg/l)
Temperature (Temp)	24.77	23.89	22.21	22.30	22.30		(°C)
ORP	50.2	16.7	-44.3	-43.5	-43.5		
Chloride							
Ferrous Iron							

Depth to Bottom	960.00	(In) (Minus)	Depth to Water	192.16	(In)	=	777.84	HT (in)
Depth to Bottom	80.00	(Ft) (Minus)	Depth to Water	15.18	(Ft)	=	64.82	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
d/2 = 1

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			777.84	1	3.14	2442	.0043	10.5		31.5	32
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW10	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED: | DRUM: | DRUM# | SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFFC-MW11
SAMPLE NO.USTHPFFC-MW11

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/15/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1500
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	6.95	7.08	7.10	7.07	7.07		(STD)
Specific Conductivity	3.242	3.108	3.021	3.004	3.004		(m S/cm)
Turbidity (Turb)	21.2	22.4	18.7	0	0		(NTU)
Dissolved Oxygen (DO)	2.88	1.57	1.26	1.23	1.23		(mg/l)
Temperature (Temp)	28.99	26.00	26.08	26.07	26.07		(°C)
ORP	46.7	44.3	41.0	40.0	40.0		
Chloride							
Ferrous Iron							

Depth to Bottom	969.00	(In) (Minus)	Depth to Water	178.80	(In)	=	790.20	HT (in)
Depth to Bottom	80.75	(Ft) (Minus)	Depth to Water	14.90	(Ft)	=	65.85	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			790.20	1	3.14	~~2481~~	.0043	10.7		32	35
Middle					3.14	2481	.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW11	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. USTHPFF C-MW12	
SAMPLE NO. USTHPFFC-MW12	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/20/07
TIME 1130
No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.16	6.60	6.58	6.58	6.58		(STD)
Specific Conductivity	1.830	1.835	1.837	1.837	1.837		(m S/cm)
Turbidity (Turb)	73.3	25.0	12.0	0.1	0.1		(NTU)
Dissolved Oxygen (DO)	3.77	2.02	2.02	2.02	2.02		(mg/l)
Temperature (Temp)	23.67	22.61	22.58	22.48	22.48		(°C)
ORP	-23.3	-16.1	-15.6	-14.8	-14.8		
Chloride							
Ferrous Iron							

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	131.16	(In)	=	1668.84	HT (in)
Depth to Bottom	~~100~~ 150 (EST)	(Ft) (Minus)	Depth to Water	10.93	(Ft)	=	139.10	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			1668.84	1	3.14	5240	.0043	22.5		67.6	70
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW12	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. USTHPFFC - MW 59
SAMPLE NO.USTHPFFC-MW 59

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0900
PHONE: 910-451-2390	WEATHER: 70-80 Cloudy	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.47	7.48	7.42	7.38	7.38		(STD)
Specific Conductivity	0.435	0.456	0.579	0.664	0.664		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	6.95	1.52	0.98	0.64	0.64		(mg/l)
Temperature (Temp)	20.59	20.55	20.69	20.67	20.67		(°C)
ORP	91.2	111.7	93.8	84.5	84.5		
Chloride							
Ferrous Iron							

Depth to Bottom	933.84	(In) (Minus)	Depth to Water	129.84	(In)	=	804.00	HT (in)
Depth to Bottom	77.82	(Ft) (Minus)	Depth to Water	10.82	(Ft)	=	67.00	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1
d/2 = 1

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			804.00	1	3.14	2525	.0043	10.9		32.6	35
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW59	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

Inter mid.
Bz 6700

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC-MW60
		SAMPLE NO.USTHPFFC-MW60

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/20/09
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 0930
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.02	7.83	6.29	6.19	6.19		(STD)
Specific Conductivity	2.436	2.120	2.530	2.515	2.575		(m S/cm)
Turbidity (Turb)	12.2	10.9	10.7	0.7	0.7		(NTU)
Dissolved Oxygen (DO)	5.12	1.93	2.20	1.87	1.87		(mg/l)
Temperature (Temp)	21.89	21.63	21.78	21.78	21.78		(°C)
ORP	-203.9	-143.2	-80.6	-84.9	-84.9		
Chloride							
Ferrous Iron							

Depth to Bottom	597.00	(In) (Minus)	Depth to Water	117.96	(In)	=	479.04	HT (in)
Depth to Bottom	49.75	(Ft) (Minus)	Depth to Water	9.83	(Ft)	=	39.92	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			479.04	1	3.14	1504	.0043	6.5		13.4	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW60	3-40ml Vials	HCL
Duplicate	USTHPFFC-MW60D		

COMMENTS: Duplicate Sample Taken Bubbles in purge water

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. USTHPFFC-MW71
		SAMPLE NO.USTHPFF C-MW71

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/16/09
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1535
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: ~~Bailer~~	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.70	7.70	7.69	7.69			(STD)
Specific Conductivity	0.437	0.437	0.438	0.438			(m S/cm)
Turbidity (Turb)	13.3	13.4	13.2	13.4			(NTU)
Dissolved Oxygen (DO)	0.27	0.28	0.28	0.28			(mg/l)
Temperature (Temp)	21.91	21.85	21.56	21.54			(°C)
ORP	-59.8	-56.5	-55.2	-54.4			
Chloride							
Ferrous Iron							

Depth to Bottom	78.61	(In) (Minus)	Depth to Water	13.17	(In)	=	65.44	HT (in)
Depth to Bottom	943.32	(Ft) (Minus)	Depth to Water	158.04	(Ft)	=	785.28	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			785.28	1	3.14	2466	.0043	10.6		11	12 gal
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW71	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]

OTHER:

11

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF NW/SE	
WELL NO. ~~USTHPFF~~ IR78-GW17-02	
SAMPLE NO. ~~USTHPFF~~ IR78-GW17-02	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer / No

DATE 8/16/07

TIME 1203

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.07	7.07	7.07	7.07			(STD)
Specific Conductivity	0.623	0.623	0.622	0.624			(m S/cm)
Turbidity (Turb)	6.0	6.1	6.0	5.6			(NTU)
Dissolved Oxygen (DO)	0.49	0.43	0.40	0.38			(mg/l)
Temperature (Temp)	22.28	22.30	22.35	22.33			(°C)
ORP	-61.8	-61.3	-59.1	-56.7			
Chloride							
Ferrous Iron							

Depth to Bottom	56.68	(In) (Minus)	Depth to Water	14.76	(In)	=	41.92	HT (in)
Depth to Bottom	680.16	(Ft) (Minus)	Depth to Water	177.12	(Ft)	=	503.04	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			503.04	1	3.14	1580	.0043	6.83		7	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	IR78-GW17-02	3-40ml Vials	HCL

COMMENTS:

PURGE DISCHARGED: | DRUM: | DRUM# | SITE TREATMENT: [X]

OTHER:

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ IR78-GW31-02
SAMPLE NO. ~~USTHPFF~~ IR78-GW31-02

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/14/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1405
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: ~~Bailer~~ Peristaltic Pump	[ ] No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	~~7.20~~ 7.22	7.17	7.16	7.16			(STD)
Specific Conductivity	0.504	0.505	0504	0.504			(m S/cm)
Turbidity (Turb)	37.1	44.9	55.9	28.2			(NTU)
Dissolved Oxygen (DO)	0.23	0.23	0.23	0.18			(mg/l)
Temperature (Temp)	23.98	23.96	24.00	24.04			(°C)
ORP	-7.1	-7.1	-7.2	-7.2			
~~Chloride~~	1353	1356	1359	1402			
~~Ferrous Iron~~					Sampled @ 1405		

948.00 139.84 818.16

Depth to Bottom	~~79.0~~	(In) (Minus)	Depth to Water	~~10.82~~	(In)	=	~~68.18~~	HT (in)
Depth to Bottom	79.0	(Ft) (Minus)	Depth to Water	10.82	(Ft)	=	68.18	HT (ft)

d = ~~2~~ 4 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Cubic in.	Conversion Factor	EST. GALLONS	Vol.	Purge Vol.	Vol. Purged
TOP			818.16	1	3.14	10276	.0043	~~44.52~~ 44.2		44.2	45
Middle					3.14		.0043	44.20			
Bottom					3.14		.0043				
Total					3.14		.0043				47

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	IR78-GW31-02	3-40ml Vials	HCL

COMMENTS: Start purge @ 0930 500ml p/m flow rate -

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

JMT 111

	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF NW/SE
		WELL NO. ~~USTHPFF~~ IR78-GW32-02
		SAMPLE NO. ~~USTHPFF~~ IR78-GW32-02

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/18/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1500
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.39	6.98	6.73	6.65	6.67		(STD)
Specific Conductivity	3.079	3.054	3.053	3.053	3.053		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	7.36	7.29	7.55	7.60	7.60		(mg/l)
Temperature (Temp)	22.04	22.19	22.36	22.36	22.36		(°C)
ORP	-151.9	-136.4	-117.8	-79.2	-79.2		
Chloride							
Ferrous Iron							

Depth to Bottom	948.00	(In) (Minus)	Depth to Water	112.32	(In)	=	835.68	HT (in)
Depth to Bottom	79.00	(Ft) (Minus)	Depth to Water	9.36	(Ft)	=	69.64	HT (ft)

d = 6 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			835.05 / 104.76	1	3.14	104%	.0043	45.1		135.4	140
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	IR78-GW32-02	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water, Gasoline smell on fumes (outside), when pulled from well

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF NW/SE
WELL NO. ~~USTHPFF~~ IR78-GW32-03
SAMPLE NO. ~~USTHPFF~~ IR78-GW32-03

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: M. Martin/T. Ellerman	DATE 8/18/07
PROJECT CONTACT: Mark Martin	SAMPLER: M. Martin/T. Ellerman	TIME 1000
PHONE: 910-451-2390	WEATHER: Hi 70's Cloudy Humid	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Stabilized Reading		
PH	7.10	6.93	6.71	6.70	6.70		(STD)
Specific Conductivity	5.178	5.082	5.050	5.049	5.049		(m S/cm)
Turbidity (Turb)	0	0	0	0	0		(NTU)
Dissolved Oxygen (DO)	7.17	8.35	8.60	8.60	8.60		(mg/l)
Temperature (Temp)	22.28	22.28	22.25	22.28	22.28		(°C)
ORP	+114.5	+89.7	+69.0	-53.2	-53.2		
Chloride							
Ferrous Iron							

Depth to Bottom	183.00	(In) (Minus)	Depth to Water	126.96	(In)	=	1709.04	HT (in)
Depth to Bottom	153.00	(Ft) (Minus)	Depth to Water	10.58	(Ft)	=	142.42	HT (ft)

d = 4 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together Vol.
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			1709.06	1	3.14	21466	.0043	92.3		276.9	300
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	IR78-GW32-03	3-40ml Vials	HCL

COMMENTS: Bubbles in purge water, Gasoline smell on tubing when removed from well when pulled from well

PURGE DISCHARGED:	DRUM:	DRUM#	SITE TREATMENT: [X]
OTHER:			

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST 1115-MW07
		SAMPLE NO.USTH 1115-MW07

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0800
PHONE: 910-451-2390	WEATHER: Sunny 40's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.79	6.57	6.21	6.15			(STD)
Specific Conductivity	4.329	3.786	3.691	3.577			(m S/cm)
Turbidity (Turb)	318.4	168.4	77.1	16.2			(NTU)
Dissolved Oxygen (DO)	7.48	6.91	4.25	5.81			(mg/l)
Temperature (Temp)	24.38	24.29	24.16	24.17			(°C)
ORP	-157.4	-174.9	-188.9	-195.8			

Depth to Bottom	243.96	(In) (Minus)	Depth to Water	95.04	(In)	=	148.92	HT (in)
Depth to Bottom	20.33	(Ft) (Minus)	Depth to Water	7.92	(Ft)	=	12.41	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			148.92	1	3.14	468	.0043	2.0		6.0	6.
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW07	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 1115-MW09	
SAMPLE NO.USTH 1115-MW09	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 2/26/08

TIME 0800

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.37	6.08	5.97	5.91			(STD)
Specific Conductivity	2.493	2.456	2.456	2.456			(m S/cm)
Turbidity (Turb)	993.8	681.8	37.41	12.9			(NTU)
Dissolved Oxygen (DO)	4.38	2.79	2.08	1.47			(mg/l)
Temperature (Temp)	24.16	24.18	24.18	24.19			(°C)
ORP	-128.4	-136.8	-144.4	-144.3			

Depth to Bottom	259.64	(In) (Minus)	Depth to Water	119.40	(In)	=	135.24	HT (in)
Depth to Bottom	21.22	(Ft) (Minus)	Depth to Water	9.95	(Ft)	=	11.27	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			135.24	1	3.14	425	.0043	1.8		5.5	No
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW09	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115GT-67 MW07 SAMPLE NO.UST# 1115GT-MW07

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 3/26/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1000
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.75						(STD)
Specific Conductivity	2.839						(m S/cm)
Turbidity (Turb)	1279.4						(NTU)
Dissolved Oxygen (DO)	6.39						(mg/l)
Temperature (Temp)	27.41						(°C)
ORP	-75.7						

Depth to Bottom	222.84	(In) (Minus)	Depth to Water	68.84	(In)	=	153.00	HT (in)
Depth to Bottom	18.57	(Ft) (Minus)	Depth to Water	5.82	(Ft)	=	12.75	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			153.00	1	3.14	480	.0043	2.1		6.2	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115GT-MW07	3-40ml	HCL

COMMENTS: Purged Dry 1x Vol.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST#115GT-MW09
		SAMPLE NO.UST#115GT-MW09

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/26/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1100
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.79	5.56	5.47	5.47			(STD)
Specific Conductivity	2.683	2.521	2.521	2.520			(m S/cm)
Turbidity (Turb)	1385.1	639.4	93.1	112.0			(NTU)
Dissolved Oxygen (DO)	4.39	3.87	2.17	1.83			(mg/l)
Temperature (Temp)	22.63	22.60	22.57	22.54			(°C)
ORP	-18.4	-31.5	-40.1	-40.2			

Depth to Bottom	227.40	(In) (Minus)	Depth to Water	75.36	(In)	=	152.04	HT (in)
Depth to Bottom	18.95	(Ft) (Minus)	Depth to Water	6.28	(Ft)	=	12.67	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			152.04	1	3.14	477	.0043	2.1		6.2	.7
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST#115GT-MW09	3-40ml	HCL

COMMENTS: Bio Smears on well (Organic Growth)

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFF-MW12	
SAMPLE NO.USTHPFF-MW12	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 2/26/08

TIME 1245

FIELD MEASUREMENTS

	1	2	3	4			
PH				4.46			(STD)
Specific Conductivity				1.976			(m S/cm)
Turbidity (Turb)				36.5			(NTU)
Dissolved Oxygen (DO)				2.27			(mg/l)
Temperature (Temp)				22.29			(°C)
ORP				123.4			

Depth to Bottom	277.32	(In) (Minus)	Depth to Water	92.16	(In)	=	185.16	HT (in)
Depth to Bottom	23.11	(Ft) (Minus)	Depth to Water	7.68	(Ft)	=	15.43	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			185.16	1	3.14	581	.0043	2.5		7.5	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW12	3-40ml	HCL

COMMENTS: Organic growth in well - Purge water very Dirty Allowed to clear Before taking Readings

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC-MW39	
SAMPLE NO.USTH HPFFC-MW39	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Sunny Slight Breeze 50's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 2/25/08
TIME 1000
☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.93	7.86	7.79	7.79			(STD)
Specific Conductivity	0.408	0.391	0.382	0.382			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	4.59	1.26	0.41	0.37			(mg/l)
Temperature (Temp)	21.44	21.09	21.74	21.20			(°C)
ORP	-16.7	-15.2	-15.1	-14.8			

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	134.16	(In)	=	1665.84	HT (in)
Depth to Bottom	150.00	(Ft) (Minus)	Depth to Water	11.18	(Ft)	=	138.80	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			1665.84	1	3.14	5231	.0043	22.5	67.5	70
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW39	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC - MW51	
SAMPLE NO.USTHPFFC-MW51	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Sunny 50's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 2/27/08

TIME 0800

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.12	6.68	6.57	6.57			(STD)
Specific Conductivity	0.523	0.509	0.518	0.509			(m S/cm)
Turbidity (Turb)	73.5	16.4	0	0			(NTU)
Dissolved Oxygen (DO)	6.38	4.29	3.85	3.77			(mg/l)
Temperature (Temp)	21.25	21.12	21.09	21.09			(°C)
ORP	221.8	279.5	279.6	301.4			

Depth to Bottom	186.12	(In) (Minus)	Depth to Water	144.96	(In)	=	41.16	HT (in)
Depth to Bottom	15.51	(Ft) (Minus)	Depth to Water	12.08	(Ft)	=	3.43	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			41.16	1	3.14	129	.0043	0.6		1.7	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW51	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 1115-MW13	
SAMPLE NO.USTH 1115-MW13	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Sunny Windy 50's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.29	5.18	5.17	5.17			(STD)
Specific Conductivity	2.391	2.286	2.279	2.219			(m S/cm)
Turbidity (Turb)	6.4	0	0	0			(NTU)
Dissolved Oxygen (DO)	4.39	3.27	1.57	1.57			(mg/l)
Temperature (Temp)	26.04	25.57	25.31	25.31			(°C)
ORP	187.4	199.9	239.4	239.4			

Depth to Bottom	611.04	(In) (Minus)	Depth to Water	128.16	(In)	=	482.88	HT (in)
Depth to Bottom	50.92	(Ft) (Minus)	Depth to Water	10.68	(Ft)	=	40.24	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			482.88	1	3.14	1516	.0043	6.5		19.6	21
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW13	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 115-MW14	
SAMPLE NO. UST 115-MW14	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/25/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1200
PHONE: 910-451-2390	WEATHER: Sunny 50's. Slight breeze	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.56	4.38	4.35	4.38			(STD)
Specific Conductivity	3.101	2.998	2.597	2.558			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	2.39	0.76	0.53	0.52			(mg/l)
Temperature (Temp)	24.63	24.57	24.41	24.80			(°C)
ORP	222.3	236.8	239.1	240.5			

Depth to Bottom	625.20	(In) (Minus)	Depth to Water	154.56	(In)	=	470.64	HT (in)
Depth to Bottom	52.10	(Ft) (Minus)	Depth to Water	12.88	(Ft)	=	39.22	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			476.64	1	3.14	1478	.0043	6.4		19.1	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 115-MW14	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST 1115-MW17
SAMPLE NO. USTH 1115-MW17

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/25/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1630
PHONE: 910-451-2390	WEATHER: Sunny 50's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.76	6.76	6.74	6.76			(STD)
Specific Conductivity	7.296	7.138	7.135	7.135			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	7.39	2.17	1.08	0.84			(mg/l)
Temperature (Temp)	21.87	20.93	20.91	20.89			(°C)
ORP	-126.4	-97.5	-56.1	-31.8			

Depth to Bottom	606.48	(In) (Minus)	Depth to Water	142.44	(In)	=	464.04	HT (in)
Depth to Bottom	50.54	(Ft) (Minus)	Depth to Water	11.87	(Ft)	=	38.67	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			464.04	1	3.14	1457	.0043	6.3		18.8	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW17.	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF 11	
WELL NO. UST 1115-MW18	
SAMPLE NO.UST# 1115-MW18	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 3/26/08

TIME 1200

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.12	7.21	7.19	7.15			(STD)
Specific Conductivity	1.753	1.749	1.749	1.749			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	6.57	2.22	2.08	2.08			(mg/l)
Temperature (Temp)	22.16	22.01	21.97	21.90			(°C)
ORP	129.4	113.0	110.7	108.5			

Depth to Bottom	609.36	(In) (Minus)	Depth to Water	138.72	(In)	=	470.64	HT (in)
Depth to Bottom	50.78	(Ft) (Minus)	Depth to Water	11.56	(Ft)	=	39.22	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			470.64	1	3.14	1478	.0043	6.4		19.1	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW18	3-40ml	HCL

COMMENTS: Bubbles in purge water.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST1115-MW20	
SAMPLE NO.UST1115-MW20	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: DC 40's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 2/27/08

TIME 1015

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.53	5.78	5.62	5.62			(STD)
Specific Conductivity	3176	2.786	2.763	2.763			(m S/cm)
Turbidity (Turb)	127.9	113.1	62.4	15.7			(NTU)
Dissolved Oxygen (DO)	6.79	3.21	1.47	1.46			(mg/l)
Temperature (Temp)	24.37	24.21	24.00	24.09			(°C)
ORP	-33.7	-47.4	-40.1	-35.8			

Depth to Bottom	587.04	(In) (Minus)	Depth to Water	128.64	(In)	=	458.40	HT (in)
Depth to Bottom	48.92	(Ft) (Minus)	Depth to Water	10.72	(Ft)	=	38.20	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			458.40	1	3.14	1439	.0043	6.2		18.6	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW20	3-40ml	HCL

COMMENTS: ~~Duplicate~~ Sm.

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]

OTHER: ☐

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST 1115-MW21
		SAMPLE NO.USTH1115-MW21

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/25/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1330
PHONE: 910-451-2390	WEATHER: Sunny 50's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.29	6.17	6.17	6.17			(STD)
Specific Conductivity	0.177	0.168	0.169	0.169			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	4.21	2.17	0.87	0.87			(mg/l)
Temperature (Temp)	24.76	24.63	24.63	24.64			(°C)
ORP	193.4	176.5	156.5	155.4			

Depth to Bottom	603.00	(In) (Minus)	Depth to Water	128.40	(In)	=	474.60	HT (in)
Depth to Bottom	50.25	(Ft) (Minus)	Depth to Water	10.70	(Ft)	=	39.55	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			474.60	1	3.14	1490	.0043	6.4		19.2	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW21	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC-MW47	
SAMPLE NO.UST H PFFC-MW47	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Sunny 50's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 2/25/08

TIME 1100

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.49	7.26	7.01	6.93			(STD)
Specific Conductivity	0.612	0.612	0.612	0.612			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	6.57	2.19	0.56	0.55			(mg/l)
Temperature (Temp)	21.49	21.30	21.29	21.29			(°C)
ORP	-8.9	-12.7	-22.2	-22.2			

Depth to Bottom	602.76	(In) (Minus)	Depth to Water	135.72	(In)	=	467.04	HT (in)
Depth to Bottom	50.23	(Ft) (Minus)	Depth to Water	11.31	(Ft)	=	38.92	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			467.04	1	3.14	1467	.0043	6.3		18.9	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW47	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST 1115-MW22
SAMPLE NO. USTH1115-MW22

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/25/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1530
PHONE: 910-451-2390	WEATHER: Sunny 50's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.12	7.76	7.75	7.75			(STD)
Specific Conductivity	1.873	1.829	1.786	1.786			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	6.97	3.21	1.76	1.75			(mg/l)
Temperature (Temp)	24.21	24.17	24.17	24.16			(°C)
ORP	-187.9	-179.4	-154.5	-154.2			

Depth to Bottom	955.32	(In) (Minus)	Depth to Water	160.88	(In)	=	795.24	HT (in)
Depth to Bottom	79.61	(Ft) (Minus)	Depth to Water	13.34	(Ft)	=	66.27	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			795.24	1	3.14	2497	.0043	10.7		32.2	33
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW22	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

Shaw®

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 1115-MW24	
SAMPLE NO.USTH 1115-MW24	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/25/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1430
PHONE: 910-451-2390	WEATHER: Sunny 50's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.75	6.63	6.66	6.65			(STD)
Specific Conductivity	1.874	1.639	1.639	1.635			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	4.44	1.29	0.79	0.81			(mg/l)
Temperature (Temp)	24.86	23.97	23.84	23.85			(°C)
ORP	-120.4	-136.8	-142.5	-142.5			

Depth to Bottom	955.32	(In) (Minus)	Depth to Water	144.48	(In)	=	810.84	HT (in)
Depth to Bottom	79.61	(Ft) (Minus)	Depth to Water	12.04	(Ft)	=	67.57	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			810.84	1	3.14	2546	.0043	10.9		32.8	34
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW24	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 1115-MW25	
SAMPLE NO.USTH 1115-MW25	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Sunny 50's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer □ No

DATE 2/25/08

TIME 1730

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.63	7.78	7.56	7.55			(STD)
Specific Conductivity	0.386	0.391	0.389	0.388			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	6.39	2.22	1.79	1.79			(mg/l)
Temperature (Temp)	26.21	26.18	26.18	26.18			(°C)
ORP	-18.9	-36.5	-39.9	-39.7			

Depth to Bottom	959.88	(In) (Minus)	Depth to Water	136.44	(In)	=	823.44	HT (in)
Depth to Bottom	79.99	(Ft) (Minus)	Depth to Water	11.37	(Ft)	=	68.62	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			823.44	1	3.14	2586	.0043	11.1		33.4	35
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW25	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: □	DRUM#	SITE TREATMENT: [X]
OTHER: □			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. USTHPFF@-MW01
SAMPLE NO.USTH PFF@-MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/28/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1330
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.13	6.03	5.98	5.97			(STD)
Specific Conductivity	2.839	2.657	2.657	2.656			(m S/cm)
Turbidity (Turb)	173.5	16.4	0	0			(NTU)
Dissolved Oxygen (DO)	5.58	3.45	1.78	1.57			(mg/l)
Temperature (Temp)	22.78	22.83	22.83	22.83			(°C)
ORP	-89.8	-86.1	-99.4	-116.9			

Depth to Bottom	227.76	(In) (Minus)	Depth to Water	128.16	(In)	=	99.60	HT (in)
Depth to Bottom	18.98	(Ft) (Minus)	Depth to Water	10.68	(Ft)	=	8.30	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			99.60	1	3.14	313	.0043	1.3		4.0	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF@-MW01	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFF-MW06	
SAMPLE NO.USTH PFF-MW06	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1530
PHONE: 910-451-2390	WEATHER: Cloudy 40's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.21	6.08	5.96	5.74			(STD)
Specific Conductivity	2.202	2.200	2.189	2.191			(m S/cm)
Turbidity (Turb)	997.4	874.9	657.4	525.8			(NTU)
Dissolved Oxygen (DO)	7.13	6.91	6.17	6.19			(mg/l)
Temperature (Temp)	24.89	24.63	24.17	24.31			(°C)
ORP	-112.4	-100.1	-97.6	-96.7			

Depth to Bottom	196.08	(In) (Minus)	Depth to Water	124.32	(In)	=	71.76	HT (in)
Depth to Bottom	16.34	(Ft) (Minus)	Depth to Water	10.36	(Ft)	=	5.98	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			71.76	1	3.14	225	.0043	1.0		2.8	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW06	3-40ml	HCL

COMMENTS: Very Silty Sandy purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

Shaw®

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFF-MW10R	
SAMPLE NO.USTH PFF-MW10R	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin — DATE 2/28/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin — TIME 1038
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer — ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.35						(STD)
Specific Conductivity	4.987						(m S/cm)
Turbidity (Turb)	691.4						(NTU)
Dissolved Oxygen (DO)	4.96						(mg/l)
Temperature (Temp)	—						(°C)
ORP	-112.4						

Depth to Bottom	204.72	(In) (Minus)	Depth to Water	170.16	(In)	=	34.56	HT (in)
Depth to Bottom	17.06	(Ft) (Minus)	Depth to Water	14.18	(Ft)	=	2.88	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			34.56	1	3.14	109	.0043	0.5		1.4	1/2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW10R	3-40ml	HCL

COMMENTS: Purge Dry 1x Vol.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFF-MW15
SAMPLE NO. USTHPFF-MW15

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 3/3/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1445
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.35	6.21	6.20	6.20			(STD)
Specific Conductivity	0.435	0.397	0.397	0.397			(m S/cm)
Turbidity (Turb)	197.4	100.1	23.4	12.9			(NTU)
Dissolved Oxygen (DO)	0.93	0.76	0.27	0.22			(mg/l)
Temperature (Temp)	24.96	24.89	24.81	24.91			(°C)
ORP	-139.9	-146.8	-153.5	-154.2			

Depth to Bottom	271.32	(In) (Minus)	Depth to Water	115.68	(In)	=	155.64	HT (in)
Depth to Bottom	22.61	(Ft) (Minus)	Depth to Water	9.64	(Ft)	=	12.97	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			155.64	1	3.14	489	.0043	2.1		6.3	6.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW15	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFF-MW17A	
SAMPLE NO. USTHPFF-MW17A	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 2/28/08

TIME 1300

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.47	6.31	6.18	6.18			(STD)
Specific Conductivity	2.987	2.936	2.935	2.935			(m S/cm)
Turbidity (Turb)	657.4	435.8	87.6	53.4			(NTU)
Dissolved Oxygen (DO)	7.49	4.38	2.22	2.20			(mg/l)
Temperature (Temp)	22.97	22.86	22.81	22.81			(°C)
ORP	-38.9	-56.5	-74.0	-80.1			

Depth to Bottom	345.72	(In) (Minus)	Depth to Water	153.00	(In)	=	192.72	HT (in)
Depth to Bottom	28.81	(Ft) (Minus)	Depth to Water	12.75	(Ft)	=	16.06	HT (ft)

d = 4 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			192.72	1	3.14	2421	.0043	10.4		31.2	33
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW17A	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFF-MW18	
SAMPLE NO.USTH PFF-MW18	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 3/3/08

TIME

☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH							(STD)
Specific Conductivity							(m S/cm)
Turbidity (Turb)							(NTU)
Dissolved Oxygen (DO)							(mg/l)
Temperature (Temp)							(°C)
ORP							

Depth to Bottom		(In) (Minus)	Depth to Water		(In)	=		HT (in)
Depth to Bottom		(Ft) (Minus)	Depth to Water		(Ft)	=		HT (ft)

d = 4 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP				1	3.14		.0043				
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST N/A-	3-40ml	HCL

COMMENTS: NO Sample Taken Product in well

13.32/13.98 = 0.66 product.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC-MW05	
SAMPLE NO. USTH PFFC-MW05	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 8/27/08

TIME 1740

☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.59	6.38	6.21	6.01			(STD)
Specific Conductivity	2.296	2.187	2.180	2.181			(m S/cm)
Turbidity (Turb)	1991.1	631.4	74.2	73.9			(NTU)
Dissolved Oxygen (DO)	7.17	4.25	1.57	1.21			(mg/l)
Temperature (Temp)	27.96	28.13	28.14	28.13			(°C)
ORP	-27.4	-31.9	-33.8	-35.0			

Depth to Bottom	176.52	(In) (Minus)	Depth to Water	102.36	(In)	=	74.16	HT (in)
Depth to Bottom	14.71	(Ft) (Minus)	Depth to Water	8.53	(Ft)	=	6.18	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			74.16	1	3.14	233	.0043	1.0		3	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW05	3-40ml	HCL

COMMENTS: Purge water cloudy

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC-MW15
		SAMPLE NO.USTH HPFFC-MW15

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 3/3/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH							(STD)
Specific Conductivity							(m S/cm)
Turbidity (Turb)							(NTU)
Dissolved Oxygen (DO)							(mg/l)
Temperature (Temp)							(°C)
ORP							

Depth to Bottom		(In) (Minus)	Depth to Water		(In)	=		HT (in)
Depth to Bottom		(Ft) (Minus)	Depth to Water		(Ft)	=		HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP				1	3.14		.0043				
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL

COMMENTS: NO SAMPLE Taken Product in well 7.54/8.44.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

Shaw®

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC-MW19	
SAMPLE NO. USTHPFFC-MW19	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Cloudy 40's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 2/27/08

TIME 1435

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.63	6.48	6.29	6.17			(STD)
Specific Conductivity	3.854	3.767	3.669	3.665			(m S/cm)
Turbidity (Turb)	776.4	529.1	174.8	63.8			(NTU)
Dissolved Oxygen (DO)	7.35	6.29	5.57	5.10			(mg/l)
Temperature (Temp)	24.37	24.41	24.54	24.47			(°C)
ORP	-87.4	-135.8	-~~177~~ 142.4	-148.9			

Depth to Bottom	181.32	(In) (Minus)	Depth to Water	82.32	(In)	=	99.00	HT (in)
Depth to Bottom	15.11	(Ft) (Minus)	Depth to Water	6.86	(Ft)	=	8.25	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			99.00	1	3.14	311	.0043	1.3		4.0	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW19	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC-MW20
		SAMPLE NO.USTHPFFC-MW20

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/28/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0830
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.98	6.79	6.53	6.53			(STD)
Specific Conductivity	1.789	1.789	1.788	1.785			(m S/cm)
Turbidity (Turb)	749.1	613.8	27.4	16.2			(NTU)
Dissolved Oxygen (DO)	6.75	4.29	1.11	0.79			(mg/l)
Temperature (Temp)	26.37	26.71	25.88	25.80			(°C)
ORP	-100.8	-127.4	-156.0	-156.4			

Depth to Bottom	170.40	(In) (Minus)	Depth to Water	115.68	(In)	=	54.72	HT (in)
Depth to Bottom	14.20	(Ft) (Minus)	Depth to Water	9.64	(Ft)	=	4.56	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			54.72	1	3.14	172	.0043	0.7		2.2	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW20	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFF C-HW72	
SAMPLE NO.USTH HPFC-HW72	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer / ☐ No

DATE 3/3/08

TIME

FIELD MEASUREMENTS

	1	2	3	4			
PH							(STD)
Specific Conductivity							(m S/cm)
Turbidity (Turb)							(NTU)
Dissolved Oxygen (DO)							(mg/l)
Temperature (Temp)							(°C)
ORP							

Depth to Bottom		(In) (Minus)	Depth to Water		(In)	=		HT (in)
Depth to Bottom		(Ft) (Minus)	Depth to Water		(Ft)	=		HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

Vol.

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP				1	3.14		.0043				
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL

COMMENTS: NO Sample Taken Product well
7.35 / 18.52

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC-MW06	
SAMPLE NO. USTHPFFC-MW06	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 2/28/08

TIME

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.11	5.43	5.56	5.36			(STD)
Specific Conductivity	1.976	1.963	1.960	1.951			(m S/cm)
Turbidity (Turb)	36.7	0	0	0			(NTU)
Dissolved Oxygen (DO)	8.68	3.75	2.11	1.57			(mg/l)
Temperature (Temp)	24.44	24.37	24.10	24.08			(°C)
ORP	38.9	47.1	50.1	50.8			

Depth to Bottom	625.20	(In) (Minus)	Depth to Water	153.96	(In)	=	471.24	HT (in)
Depth to Bottom	52.10	(Ft) (Minus)	Depth to Water	12.83	(Ft)	=	39.27	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			471.24	1	3.14	1480	.0043	6.4		19.1	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL

COMMENTS: Bubbles in purge water.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. USTHPFFC-MW07
SAMPLE NO.USTHPFFC-MW07

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/26/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1400
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.32	6.19	6.18	6.18			(STD)
Specific Conductivity	2.631	6.558	6.558	6.593			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	7.34	5.29	1.88	1.47			(mg/l)
Temperature (Temp)	22.39	21.97	21.90	21.89			(°C)
ORP	112.6	75.4	70.1	73.8			

Depth to Bottom	583.20	(In) (Minus)	Depth to Water	139.32	(In)	=	443.88	HT (in)
Depth to Bottom	48.60	(Ft) (Minus)	Depth to Water	11.61	(Ft)	=	36.99	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			443.88	1	3.14	1394	.0043	6.0		18	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW07	3-40ml	HCL

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW08
SAMPLE NO. USTH PFFC-MW08

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/28/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1215
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.32	6.97	6.95	6.95			(STD)
Specific Conductivity	2.786	2.639	2.638	2.635			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	5.36	2.17	1.63	1.64			(mg/l)
Temperature (Temp)	26.47	26.37	26.21	26.27			(°C)
ORP	-184.4	-191.1	-193.8	-194.0			

Depth to Bottom	612.72	(In) (Minus)	Depth to Water	213.24	(In)	=	399.48	HT (in)
Depth to Bottom	51.06	(Ft) (Minus)	Depth to Water	17.77	(Ft)	=	33.29	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			399.48	1	3.14	1254	.0043	5.4		16.2	18
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW08	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW09
SAMPLE NO.USTH PFFC-MW09

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1400
PHONE: 910-451-2390	WEATHER: Cloudy 40's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.50	6.38	6.11	6.08			(STD)
Specific Conductivity	4,870	4,981	5,111	5,127			(m S/cm)
Turbidity (Turb)	17.4	24.8	37.4	29.1			(NTU)
Dissolved Oxygen (DO)	6.78	2.71	2.16	2.08			(mg/l)
Temperature (Temp)	24.71	24.56	24.55	24.55			(°C)
ORP	-63.9	-86.4	-110.4	-138.7			

Depth to Bottom	570.76	(In) (Minus)	Depth to Water	123.36	(In)	=	467.40	HT (in)
Depth to Bottom	49.23	(Ft) (Minus)	Depth to Water	10.28	(Ft)	=	38.95	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			467.40	1	3.14	1468	.0043	6.3		18.9	19
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW09	3-40ml	HCL

COMMENTS: Duplicate Sample Taken

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC - MW60
SAMPLE NO. USTHPFFC-MW60

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1240
PHONE: 910-451-2390	WEATHER: Cloudy 40's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.27	6.93	6.88	6.88			(STD)
Specific Conductivity	2.391	2.387	2.366	2.390			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	6.83	4.29	1.74	1.68			(mg/l)
Temperature (Temp)	21.74	21.73	21.70	21.69			(°C)
ORP	-138.4	-96.4	-84.8	-81.9			

Depth to Bottom	597.00	(In) (Minus)	Depth to Water	126.24	(In)	=	470.76	HT (in)
Depth to Bottom	49.75	(Ft) (Minus)	Depth to Water	10.52	(Ft)	=	39.23	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			470.76	1	3.14	1478	.0043	6.4		19.1	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW60	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC - MW66
		SAMPLE NO.USTH PFFC - MW66

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 3/3/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH							(STD)
Specific Conductivity							(m S/cm)
Turbidity (Turb)							(NTU)
Dissolved Oxygen (DO)							(mg/l)
Temperature (Temp)							(°C)
ORP							

Depth to Bottom		(In) (Minus)	Depth to Water		(In)	=		HT (in)
Depth to Bottom		(Ft) (Minus)	Depth to Water		(Ft)	=		HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP				1	3.14		.0043				
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL

COMMENTS: NO Sample Taken product in well
10.40/10.41 0.01' product

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW10
SAMPLE NO.USTH PFFC-MW10

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 2/28/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1440
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.75	7.68	7.69	7.68			(STD)
Specific Conductivity	3.654	3.655	3.655	3.655			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	7.10	5.63	2.21	2.20			(mg/l)
Temperature (Temp)	24.96	24.12	24.08	24.01			(°C)
ORP	63.5	32.1	12.9	-21.8			

Depth to Bottom	960.00	(In) (Minus)	Depth to Water	191.88	(In)	=	768.12	HT (in)
Depth to Bottom	80.00	(Ft) (Minus)	Depth to Water	15.99	(Ft)	=	64.01	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			768.12	1	3.14	2412	.0043	10.4		3x10	32
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW10	3-40ml	HCL

COMMENTS: Bubbles in purge water.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC - MW12	
SAMPLE NO.USTHPFFC-MW12	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: PC 40's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 2/27/08
TIME 1130
☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.72	6.50	6.49	6.49			(STD)
Specific Conductivity	1.774	1.775	1.774	1.774			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	3.97	2.31	2.22	2.22			(mg/l)
Temperature (Temp)	23.58	22.17	22.17	22.17			(°C)
ORP	-18.7	-12.8	-12.6	-12.6			

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	136.32	(In)	=	1663.68	HT (in)
Depth to Bottom	150.00	(Ft) (Minus)	Depth to Water	11.36	(Ft)	=	138.60	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			1663.68	1	3.14	5224	.0043	22.5		67.4	68
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW12	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. ~~UST~~ IR78-GW17-2	
SAMPLE NO. ~~UST~~ H	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 2/27/08

TIME 1700

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.63	6.72	6.72	6.72			(STD)
Specific Conductivity	0.589	0.573	0.571	0.371			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	6.32	2.16	1.70	0.29			(mg/l)
Temperature (Temp)	22.16	22.19	22.20	22.15			(°C)
ORP	-27.4	-36.5	-41.8	-42.7			

Depth to Bottom	680.16	(In) (Minus)	Depth to Water	194.64	(In)	=	485.52	HT (in)
Depth to Bottom	56.68	(Ft) (Minus)	Depth to Water	16.22	(Ft)	=	40.46	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			485.52	1	3.14	1325	.0043	6.6		19.7	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW17-2	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. ~~UST~~ IR78-GW32-02
		SAMPLE NO. ~~UST~~ IR78-GW32-02

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 3/3/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1615
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.57	7.53	7.53	7.53			(STD)
Specific Conductivity	3.179	3.179	3.178	3.178			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	7.85	7.12	6.97	6.63			(mg/l)
Temperature (Temp)	22.13	22.24	22.23	22.23			(°C)
ORP	-129.8	-113.4	-63.9	~~-58.1~~ -57.1			

Depth to Bottom	948.00	(In) (Minus)	Depth to Water	134.76	(In)	=	813.24	HT (in)
Depth to Bottom	79.00	(Ft) (Minus)	Depth to Water	11.23	(Ft)	=	67.77	HT (ft)

d = 4 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			813.24	1	3.14	10214	.0043	43.9	131.8	134
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW32-02	3-40ml	HCL

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. ~~UST~~ JR78-6032-03
SAMPLE NO. ~~USTH~~ JR78-6032-03

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 3/3/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1630
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.21	7.11	7.10	7.05			(STD)
Specific Conductivity	5.639	5.409	5.408	5.397			(m S/cm)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	7.63	7.64	7.60	7.59			(mg/l)
Temperature (Temp)	22.49	22.38	22.38	22.38			(°C)
ORP	-12.9	-38.4	-46.5	-52.1			

Depth to Bottom	1836.06	(In) (Minus)	Depth to Water	132.72	(In)	=	1703.28	HT (in)
Depth to Bottom	153.00	(Ft) (Minus)	Depth to Water	11.06	(Ft)	=	141.94	HT (ft)

d = 4" MEASUREMENTS (IN INCHES)
r = 1
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			1703.28	1	3.14	21393	.0043	92		276.0	280
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ JR786032-03	3-40ml	HCL

COMMENTS: Bubbles in Purge Water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

APPENDIX E

LABORATORY GROUNDWATER ANALYTICAL REPORTS, FEBRUARY 2008

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

03/06/08

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F55903

Sampling Dates: 02/25/08 - 02/26/08

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: **54**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **5**
2.1: F55903-1: USTHPFFC-MW39 6
2.2: F55903-2: USTHPFFC-MW47 8
2.3: F55903-3: UST1115-MW14 10
2.4: F55903-4: UST1115-MW21 12
2.5: F55903-5: UST1115-MW24 14
2.6: F55903-6: UST1115-MW22 16
2.7: F55903-7: UST1115-MW17 18
2.8: F55903-8: UST1115-MW25 20
2.9: F55903-9: UST1115-MW13 22
2.10: F55903-10: TRIP BLANK 082707 24
2.11: F55903-11: UST1115-MW09 26
2.12: F55903-12: UST1115GT-MW07 28
2.13: F55903-13: UST1115GT-MW09 30
2.14: F55903-14: UST1115-MW18 32
2.15: F55903-15: USTHPFF-MW12 34
2.16: F55903-16: USTHPFFC-MW07 36
Section 3: Misc. Forms 38
3.1: Chain of Custody 39
Section 4: GC/MS Volatiles - QC Data Summaries **42**
4.1: Method Blank Summary 43
4.2: Blank Spike Summary 47
4.3: Matrix Spike/Matrix Spike Duplicate Summary 51

Sample Summary

Shaw E & I, Inc.

Job No: F55903

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F55903-1	02/25/08	10:00	JC	02/27/08	AQ	Ground Water	USTHPFFC-MW39
F55903-2	02/25/08	11:00	JC	02/27/08	AQ	Ground Water	USTHPFFC-MW47
F55903-3	02/25/08	12:00	JC	02/27/08	AQ	Ground Water	UST1115-MW14
F55903-4	02/25/08	13:30	JC	02/27/08	AQ	Ground Water	UST1115-MW21
F55903-5	02/25/08	14:30	JC	02/27/08	AQ	Ground Water	UST1115-MW24
F55903-6	02/25/08	15:30	JC	02/27/08	AQ	Ground Water	UST1115-MW22
F55903-7	02/25/08	16:30	JC	02/27/08	AQ	Ground Water	UST1115-MW17
F55903-8	02/25/08	17:30	JC	02/27/08	AQ	Ground Water	UST1115-MW25
F55903-9	02/25/08	18:00	JC	02/27/08	AQ	Ground Water	UST1115-MW13
F55903-10	02/25/08	00:00	JC	02/27/08	AQ	Trip Blank Water	TRIP BLANK 082707
F55903-11	02/26/08	09:00	JC	02/27/08	AQ	Ground Water	UST1115-MW09
F55903-12	02/26/08	10:00	JC	02/27/08	AQ	Ground Water	UST1115GT-MW07
F55903-13	02/26/08	11:00	JC	02/27/08	AQ	Ground Water	UST1115GT-MW09

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F55903

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F55903-14	02/26/08	12:00	JC	02/27/08	AQ	Ground Water	UST1115-MW18
F55903-15	02/26/08	12:45	JC	02/27/08	AQ	Ground Water	USTHPFF-MW12
F55903-16	02/26/08	14:00	JC	02/27/08	AQ	Ground Water	USTHPFFC-MW07

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW39		
Lab Sample ID:	F55903-1	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025604.D	1	03/04/08	MM	n/a	n/a	VM1058
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.67	2.0	0.38	ug/l	J
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW39		
Lab Sample ID:	F55903-1	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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:	USTHPFFC-MW47		
Lab Sample ID:	F55903-2	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025580.D	10	03/03/08	MM	n/a	n/a	VM1057
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	250	100	ug/l	
71-43-2	Benzene	747	10	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.9	ug/l	
75-25-2	Bromoform	ND	10	2.8	ug/l	
108-90-7	Chlorobenzene	ND	10	2.0	ug/l	
75-00-3	Chloroethane	ND	20	4.6	ug/l	
67-66-3	Chloroform	ND	10	2.1	ug/l	
75-15-0	Carbon disulfide	ND	20	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.5	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.3	ug/l	
107-06-2	1,2-Dichloroethane	24.0	10	2.0	ug/l	
78-87-5	1,2-Dichloropropane	11.6	10	2.5	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	64.5	10	2.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	25.8	10	2.0	ug/l	
591-78-6	2-Hexanone	ND	100	29	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	22	ug/l	
74-83-9	Methyl bromide	ND	20	5.4	ug/l	
74-87-3	Methyl chloride	ND	20	3.8	ug/l	
75-09-2	Methylene chloride	35.4	50	10	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	3.0	ug/l	
127-18-4	Tetrachloroethylene	5.9	10	2.5	ug/l	J
108-88-3	Toluene	ND	10	2.7	ug/l	
79-01-6	Trichloroethylene	190	10	3.8	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:	USTHPFFC-MW47		
Lab Sample ID:	F55903-2	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	10	3.4	ug/l	
1330-20-7	Xylene (total)	ND	30	5.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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:	UST1115-MW14		
Lab Sample ID:	F55903-3	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025588.D	2	03/03/08	MM	n/a	n/a	VM1057
Run #2	M0025619.D	5	03/04/08	MM	n/a	n/a	VM1058

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	20	ug/l	
71-43-2	Benzene	229 [a]	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.58	ug/l	
75-25-2	Bromoform	ND	2.0	0.56	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	0.92	ug/l	
67-66-3	Chloroform	ND	2.0	0.42	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.58	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.46	ug/l	
107-06-2	1,2-Dichloroethane	6.3	2.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	0.97	2.0	0.50	ug/l	J
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.1	2.0	0.56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	1.1	2.0	0.40	ug/l	J
591-78-6	2-Hexanone	ND	20	5.7	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.4	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.1	ug/l	
74-87-3	Methyl chloride	ND	4.0	0.76	ug/l	
75-09-2	Methylene chloride	7.0	10	2.0	ug/l	JB
78-93-3	Methyl ethyl ketone	7.2	10	4.0	ug/l	J
100-42-5	Styrene	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	2.4	2.0	0.54	ug/l	
79-01-6	Trichloroethylene	3.9	2.0	0.76	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:	UST1115-MW14		
Lab Sample ID:	F55903-3	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.68	ug/l	
1330-20-7	Xylene (total)	1.1	6.0	1.1	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	89%	76-127%
2037-26-5	Toluene-D8	99%	96%	86-112%
460-00-4	4-Bromofluorobenzene	102%	101%	84-120%

(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:	UST1115-MW21		
Lab Sample ID:	F55903-4	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M0025594.D	1	03/03/08	MM	n/a	n/a	VM1057
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	10	ug/l	
71-43-2	Benzene	1.7	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.34	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	1.3	1.0	0.38	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:	UST1115-MW21		
Lab Sample ID:	F55903-4	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	92%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

(a) Sample was not preserved to a pH < 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:	UST1115-MW24		
Lab Sample ID:	F55903-5	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025595.D	1	03/03/08	MM	n/a	n/a	VM1057
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	10	ug/l	
71-43-2	Benzene	1.4	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	25.1	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	2.2	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.36	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	1.4	1.0	0.38	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:	UST1115-MW24		
Lab Sample ID:	F55903-5	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	94%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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:	UST1115-MW22		
Lab Sample ID:	F55903-6	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025618.D	2	03/04/08	MM	n/a	n/a	VM1058
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	50	20	ug/l	
71-43-2	Benzene	174	2.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.58	ug/l	
75-25-2	Bromoform	ND	2.0	0.56	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	0.92	ug/l	
67-66-3	Chloroform	ND	2.0	0.42	ug/l	
75-15-0	Carbon disulfide	1.9	4.0	0.40	ug/l	J
56-23-5	Carbon tetrachloride	ND	2.0	0.58	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.46	ug/l	
107-06-2	1,2-Dichloroethane	4.1	2.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	0.59	2.0	0.40	ug/l	J
591-78-6	2-Hexanone	ND	20	5.7	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.4	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.1	ug/l	
74-87-3	Methyl chloride	ND	4.0	0.76	ug/l	
75-09-2	Methylene chloride	12.1	10	2.0	ug/l	B
78-93-3	Methyl ethyl ketone	ND	10	4.0	ug/l	
100-42-5	Styrene	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	0.65	2.0	0.54	ug/l	J
79-01-6	Trichloroethylene	0.87	2.0	0.76	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:	UST1115-MW22		
Lab Sample ID:	F55903-6	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.68	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	88%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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:	UST1115-MW17		
Lab Sample ID:	F55903-7	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025620.D	5	03/04/08	MM	n/a	n/a	VM1058
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	130	50	ug/l	
71-43-2	Benzene	442	5.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.5	ug/l	
75-25-2	Bromoform	ND	5.0	1.4	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.3	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
75-15-0	Carbon disulfide	ND	10	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	21.8	5.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	1.9	5.0	1.3	ug/l	J
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.2	5.0	1.4	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	21.4	5.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	2.7	ug/l	
74-87-3	Methyl chloride	ND	10	1.9	ug/l	
75-09-2	Methylene chloride	48.1	25	5.0	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
100-42-5	Styrene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.9	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.5	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	ND	5.0	1.4	ug/l	
79-01-6	Trichloroethylene	ND	5.0	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1115-MW17		
Lab Sample ID:	F55903-7	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	5.0	1.7	ug/l	
1330-20-7	Xylene (total)	11.4	15	2.8	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	87%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

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:	UST1115-MW25		
Lab Sample ID:	F55903-8	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025605.D	1	03/04/08	MM	n/a	n/a	VM1058
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	10	ug/l	
71-43-2	Benzene	3.9	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.61	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.44	2.0	0.38	ug/l	J
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.44	1.0	0.38	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:	UST1115-MW25		
Lab Sample ID:	F55903-8	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	90%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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:	UST1115-MW13		
Lab Sample ID:	F55903-9	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025606.D	1	03/04/08	MM	n/a	n/a	VM1058
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	10	ug/l	
71-43-2	Benzene	40.8	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	13.5	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.76	1.0	0.25	ug/l	J
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.75	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.37	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW13		
Lab Sample ID:	F55903-9	**Date Sampled:**	02/25/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	2.4	3.0	0.56	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	88%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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 082707		
Lab Sample ID:	F55903-10	**Date Sampled:**	02/25/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025607.D	1	03/04/08	MM	n/a	n/a	VM1058
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 082707		
Lab Sample ID:	F55903-10	**Date Sampled:**	02/25/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	90%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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:	UST1115-MW09		
Lab Sample ID:	F55903-11	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025621.D	2	03/04/08	MM	n/a	n/a	VM1058
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	50	20	ug/l	
71-43-2	Benzene	107	2.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.58	ug/l	
75-25-2	Bromoform	ND	2.0	0.56	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	0.92	ug/l	
67-66-3	Chloroform	ND	2.0	0.42	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.58	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.46	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	0.47	2.0	0.40	ug/l	J
591-78-6	2-Hexanone	ND	20	5.7	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.4	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.1	ug/l	
74-87-3	Methyl chloride	ND	4.0	0.76	ug/l	
75-09-2	Methylene chloride	27.3	10	2.0	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	10	4.0	ug/l	
100-42-5	Styrene	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.60	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.76	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:	UST1115-MW09		
Lab Sample ID:	F55903-11	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	2.0	0.68	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		87-116%
17060-07-0	1,2-Dichloroethane-D4	87%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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:	UST1115GT-MW07		
Lab Sample ID:	F55903-12	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025608.D	1	03/04/08	MM	n/a	n/a	VM1058
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	10	ug/l	
71-43-2	Benzene	71.0	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	3.3	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.75	1.0	0.25	ug/l	J
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.89	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.47	1.0	0.38	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:	UST1115GT-MW07		
Lab Sample ID:	F55903-12	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	89%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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:	UST1115GT-MW09		
Lab Sample ID:	F55903-13	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025609.D	1	03/04/08	MM	n/a	n/a	VM1058
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	10	ug/l	
71-43-2	Benzene	2.3	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.50	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.21	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115GT-MW09		
Lab Sample ID:	F55903-13	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	90%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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:	UST1115-MW18		
Lab Sample ID:	F55903-14	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025610.D	1	03/04/08	MM	n/a	n/a	VM1058
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	10	ug/l	
71-43-2	Benzene	3.1	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	17.3	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	1.2	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.33	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.29	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	UST1115-MW18		
Lab Sample ID:	F55903-14	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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:	USTHPFF-MW12		
Lab Sample ID:	F55903-15	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025622.D	20	03/04/08	MM	n/a	n/a	VM1058
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	500	200	ug/l	
71-43-2	Benzene	1110	20	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.8	ug/l	
75-25-2	Bromoform	ND	20	5.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.0	ug/l	
75-00-3	Chloroethane	ND	40	9.2	ug/l	
67-66-3	Chloroform	ND	20	4.2	ug/l	
75-15-0	Carbon disulfide	ND	40	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	4.6	ug/l	
107-06-2	1,2-Dichloroethane	212	20	4.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	5.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.8	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	85.0	20	4.0	ug/l	
591-78-6	2-Hexanone	ND	200	57	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	44	ug/l	
74-83-9	Methyl bromide	ND	40	11	ug/l	
74-87-3	Methyl chloride	ND	40	7.6	ug/l	
75-09-2	Methylene chloride	203	100	20	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
100-42-5	Styrene	ND	20	4.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	7.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	6.0	ug/l	
127-18-4	Tetrachloroethylene	ND	20	5.0	ug/l	
108-88-3	Toluene	773	20	5.4	ug/l	
79-01-6	Trichloroethylene	ND	20	7.6	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:	USTHPFF-MW12		
Lab Sample ID:	F55903-15	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	20	6.8	ug/l	
1330-20-7	Xylene (total)	294	60	11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	89%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

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:	USTHPFFC-MW07		
Lab Sample ID:	F55903-16	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025611.D	1	03/04/08	MM	n/a	n/a	VM1058
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	10	ug/l	
71-43-2	Benzene	11.3	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.40	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	2.6	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	19.3	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW07		
Lab Sample ID:	F55903-16	**Date Sampled:**	02/26/08
Matrix:	AQ - Ground Water	**Date Received:**	02/27/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	7.7	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	88%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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:

- Certification Exceptions
- Chain of Custody

F55903

COC Number:
125709-HPFF-022508

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location	
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	
Project Number	**Contact**	**PO Number**
125709	Mark Martin	282002
Client Rep	**Project Manager**	
US NAVY - LANTDIV	Joe Colella	

Analysis Desired: VOC 8260

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260
1	USTHPFFC-MW39	2/25/08	10:00		X	USTHPFFC-MW39	3	X
2	USTHPFFC-MW47	2/25/08	11:00		X	USTHPFFC-MW47	3	X
3	UST1115-MW14	2/25/08	12:00		X	UST1115-MW14	3	X
4	UST1115-MW21	2/25/08	13:30		X	UST1115-MW21	3	X
5	UST1115-MW24	2/25/08	14:30		X	UST1115-MW24	3	X
6	UST1115-MW22	2/25/08	15:30		X	UST1115-MW22	3	X
7	UST1115-MW17	2/25/08	16:30		X	UST1115-MW17	3	X
8	UST1115-MW25	2/25/08	17:30		X	UST1115-MW25	3	X
9	UST1115-MW13	2/25/08	18:00		X	UST1115-MW13	3	X
10	Trip Blank 082707	2/25/08			X	Trip Blank	2	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 10		FedEx 8639 0322 2022	3/26/08	16:00
2		FEDEX	FEDEX GROUND 6546	2-27-08	0900
3					

Remarks

14 Day TAT

1.0

F55903

COC Number:
125709-HPFF-022608

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
11	UST1115-MW09	2/26/08	9:00		X	UST1115-MW09	3	X
12	USTGT-MW07	2/26/08	10:00		X	USTGT-MW07	3	X
13	USTGT-MW09	2/26/08	11:00		X	USTGT-MW09	3	X
14	UST1115-MW18	2/26/08	12:00		X	UST1115-MW18	3	X
15	USTHPFF-MW12	2/26/08	12:45		X	USTHPFF-MW12	3	X
16	USTHPFFC-MW07	2/26/08	14:00		X	USTHPFFC-MW07	3	X
7								
8								
9								
10								

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 6		FedEx 8639 0322 2022	2/26/08	16:00	14 Day TAT
2		FEDEX	FEDEX NONTENEGRO	2.27.08	0900	
3						

1.0

F55903: Chain of Custody
Page 2 of 3

ACCUTEST
F55903

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F55903 CLIENT: Shaw PROJECT: CAMP LEJEUNE

DATE/TIME RECEIVED: 02.27.08 / 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8639 0322 2022

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
- [X] WET ICE RECEIVED IN COOLER

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 ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE F.M. 02.27.08 TECHNICIAN SIGNATURE/DATE JC 2-27-08 ASBD 12/17/07

3.1 3

F55903: Chain of Custody
Page 3 of 3

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: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1057-MB	M0025575.D	1	03/03/08	MM	n/a	n/a	VM1057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55903-2, F55903-3, F55903-4, F55903-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	1.0	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1057-MB	M0025575.D	1	03/03/08	MM	n/a	n/a	VM1057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55903-2, F55903-3, F55903-4, F55903-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1058-MB	M0025603.D	1	03/04/08	MM	n/a	n/a	VM1058

The QC reported here applies to the following samples: Method: SW846 8260B

F55903-1, F55903-3, F55903-6, F55903-7, F55903-8, F55903-9, F55903-10, F55903-11, F55903-12, F55903-13, F55903-14, F55903-15, F55903-16

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	1.3	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1058-MB	M0025603.D	1	03/04/08	MM	n/a	n/a	VM1058

The QC reported here applies to the following samples: Method: SW846 8260B

F55903-1, F55903-3, F55903-6, F55903-7, F55903-8, F55903-9, F55903-10, F55903-11, F55903-12, F55903-13, F55903-14, F55903-15, F55903-16

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	92%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Blank Spike Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1057-BS	M0025574.D	1	03/03/08	MM	n/a	n/a	VM1057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55903-2, F55903-3, F55903-4, F55903-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	130	104	59-134
71-43-2	Benzene	25	25.6	102	83-124
75-27-4	Bromodichloromethane	25	25.4	102	76-116
75-25-2	Bromoform	25	24.5	98	68-128
108-90-7	Chlorobenzene	25	26.0	104	87-115
75-00-3	Chloroethane	25	26.6	106	54-166
67-66-3	Chloroform	25	26.8	107	85-123
75-15-0	Carbon disulfide	25	25.8	103	67-147
56-23-5	Carbon tetrachloride	25	27.5	110	74-139
75-34-3	1,1-Dichloroethane	25	27.7	111	82-127
75-35-4	1,1-Dichloroethylene	25	23.9	96	75-133
107-06-2	1,2-Dichloroethane	25	24.7	99	76-122
78-87-5	1,2-Dichloropropane	25	26.1	104	81-120
124-48-1	Dibromochloromethane	25	24.6	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.4	102	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.9	108	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.2	109	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.0	112	87-123
100-41-4	Ethylbenzene	25	24.8	99	87-118
591-78-6	2-Hexanone	125	130	104	58-125
108-10-1	4-Methyl-2-pentanone	125	120	96	62-125
74-83-9	Methyl bromide	25	26.3	105	55-151
74-87-3	Methyl chloride	25	30.5	122	55-173
75-09-2	Methylene chloride	25	24.6	98	69-125
78-93-3	Methyl ethyl ketone	125	127	102	61-127
100-42-5	Styrene	25	24.7	99	78-118
71-55-6	1,1,1-Trichloroethane	25	28.8	115	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.9	92	71-120
79-00-5	1,1,2-Trichloroethane	25	23.6	94	80-114
127-18-4	Tetrachloroethylene	25	27.8	111	80-131
108-88-3	Toluene	25	26.3	105	86-116
79-01-6	Trichloroethylene	25	26.4	106	85-124
75-01-4	Vinyl chloride	25	27.3	109	57-153
1330-20-7	Xylene (total)	75	75.3	100	86-120

Blank Spike Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1057-BS	M0025574.D	1	03/03/08	MM	n/a	n/a	VM1057

The QC reported here applies to the following samples: Method: SW846 8260B

F55903-2, F55903-3, F55903-4, F55903-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Blank Spike Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1058-BS	M0025602.D	1	03/04/08	MM	n/a	n/a	VM1058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55903-1, F55903-3, F55903-6, F55903-7, F55903-8, F55903-9, F55903-10, F55903-11, F55903-12, F55903-13, F55903-14, F55903-15, F55903-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	120	96	59-134
71-43-2	Benzene	25	26.8	107	83-124
75-27-4	Bromodichloromethane	25	24.9	100	76-116
75-25-2	Bromoform	25	25.6	102	68-128
108-90-7	Chlorobenzene	25	26.5	106	87-115
75-00-3	Chloroethane	25	33.0	132	54-166
67-66-3	Chloroform	25	26.8	107	85-123
75-15-0	Carbon disulfide	25	29.0	116	67-147
56-23-5	Carbon tetrachloride	25	27.1	108	74-139
75-34-3	1,1-Dichloroethane	25	28.4	114	82-127
75-35-4	1,1-Dichloroethylene	25	26.9	108	75-133
107-06-2	1,2-Dichloroethane	25	24.3	97	76-122
78-87-5	1,2-Dichloropropane	25	26.1	104	81-120
124-48-1	Dibromochloromethane	25	25.2	101	74-116
156-59-2	cis-1,2-Dichloroethylene	25	27.6	110	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.7	107	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	24.6	98	87-118
591-78-6	2-Hexanone	125	134	107	58-125
108-10-1	4-Methyl-2-pentanone	125	129	103	62-125
74-83-9	Methyl bromide	25	32.1	128	55-151
74-87-3	Methyl chloride	25	34.4	138	55-173
75-09-2	Methylene chloride	25	25.1	100	69-125
78-93-3	Methyl ethyl ketone	125	119	95	61-127
100-42-5	Styrene	25	25.4	102	78-118
71-55-6	1,1,1-Trichloroethane	25	28.1	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.2	97	71-120
79-00-5	1,1,2-Trichloroethane	25	24.2	97	80-114
127-18-4	Tetrachloroethylene	25	27.3	109	80-131
108-88-3	Toluene	25	26.6	106	86-116
79-01-6	Trichloroethylene	25	27.2	109	85-124
75-01-4	Vinyl chloride	25	31.4	126	57-153
1330-20-7	Xylene (total)	75	74.8	100	86-120

Blank Spike Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1058-BS	M0025602.D	1	03/04/08	MM	n/a	n/a	VM1058

The QC reported here applies to the following samples: Method: SW846 8260B

F55903-1, F55903-3, F55903-6, F55903-7, F55903-8, F55903-9, F55903-10, F55903-11, F55903-12, F55903-13, F55903-14, F55903-15, F55903-16

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	95%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55903-2MS	M0025584.D	10	03/03/08	MM	n/a	n/a	VM1057
F55903-2MSD	M0025585.D	10	03/03/08	MM	n/a	n/a	VM1057
F55903-2	M0025580.D	10	03/03/08	MM	n/a	n/a	VM1057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55903-2, F55903-3, F55903-4, F55903-5

CAS No.	Compound	F55903-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1250	1060	85	1100	88	4	59-134/14
71-43-2	Benzene	747		250	997	100	969	89	3	83-124/11
75-27-4	Bromodichloromethane	ND		250	229	92	231	92	1	76-116/10
75-25-2	Bromoform	ND		250	227	91	221	88	3	68-128/11
108-90-7	Chlorobenzene	ND		250	256	102	248	99	3	87-115/9
75-00-3	Chloroethane	ND		250	312	125	314	126	1	54-166/20
67-66-3	Chloroform	ND		250	252	101	251	100	0	85-123/10
75-15-0	Carbon disulfide	ND		250	260	104	258	103	1	67-147/12
56-23-5	Carbon tetrachloride	ND		250	237	95	235	94	1	74-139/13
75-34-3	1,1-Dichloroethane	ND		250	271	108	264	106	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		250	244	98	243	97	0	75-133/13
107-06-2	1,2-Dichloroethane	24.0		250	244	88	244	88	0	76-122/11
78-87-5	1,2-Dichloropropane	11.6		250	266	102	262	100	2	81-120/11
124-48-1	Dibromochloromethane	ND		250	227	91	229	92	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	64.5		250	312	99	313	99	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		250	244	98	245	98	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		250	263	105	256	102	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		250	247	99	244	98	1	87-123/10
100-41-4	Ethylbenzene	25.8		250	265	96	255	92	4	87-118/10
591-78-6	2-Hexanone	ND		1250	1250	100	1230	98	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		1250	1220	98	1200	96	2	62-125/13
74-83-9	Methyl bromide	ND		250	299	120	307	123	3	55-151/21
74-87-3	Methyl chloride	ND		250	326	130	335	134	3	55-173/22
75-09-2	Methylene chloride	35.4	JB	250	260	90	274	95	5	69-125/11
78-93-3	Methyl ethyl ketone	ND		1250	1070	86	1080	86	1	61-127/13
100-42-5	Styrene	ND		250	242	97	237	95	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		250	249	100	247	99	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	230	92	230	92	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		250	235	94	231	92	2	80-114/11
127-18-4	Tetrachloroethylene	5.9	J	250	262	102	252	98	4	80-131/12
108-88-3	Toluene	ND		250	255	102	248	99	3	86-116/10
79-01-6	Trichloroethylene	190		250	447	103	437	99	2	85-124/10
75-01-4	Vinyl chloride	ND		250	273	109	281	112	3	57-153/22
1330-20-7	Xylene (total)	ND		750	711	95	696	93	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55903-2MS	M0025584.D	10	03/03/08	MM	n/a	n/a	VM1057
F55903-2MSD	M0025585.D	10	03/03/08	MM	n/a	n/a	VM1057
F55903-2	M0025580.D	10	03/03/08	MM	n/a	n/a	VM1057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55903-2, F55903-3, F55903-4, F55903-5

CAS No.	Surrogate Recoveries	MS	MSD	F55903-2	Limits
1868-53-7	Dibromofluoromethane	97%	96%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	91%	76-127%
2037-26-5	Toluene-D8	98%	98%	98%	86-112%
460-00-4	4-Bromofluorobenzene	97%	98%	101%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55903-8MS	M0025615.D	1	03/04/08	MM	n/a	n/a	VM1058
F55903-8MSD	M0025616.D	1	03/04/08	MM	n/a	n/a	VM1058
F55903-8	M0025605.D	1	03/04/08	MM	n/a	n/a	VM1058

The QC reported here applies to the following samples: Method: SW846 8260B

F55903-1, F55903-3, F55903-6, F55903-7, F55903-8, F55903-9, F55903-10, F55903-11, F55903-12, F55903-13, F55903-14, F55903-15, F55903-16

CAS No.	Compound	F55903-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	120	96	121	97	1	59-134/14
71-43-2	Benzene	3.9		25	30.7	107	28.7	99	7	83-124/11
75-27-4	Bromodichloromethane	ND		25	24.4	98	23.7	95	3	76-116/10
75-25-2	Bromoform	ND		25	24.0	96	23.1	92	4	68-128/11
108-90-7	Chlorobenzene	ND		25	26.9	108	24.9	100	8	87-115/9
75-00-3	Chloroethane	ND		25	35.1	140	30.4	122	14	54-166/20
67-66-3	Chloroform	ND		25	26.8	107	25.1	100	7	85-123/10
75-15-0	Carbon disulfide	ND		25	27.7	111	25.0	100	10	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.2	101	23.4	94	7	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	29.4	118	26.8	107	9	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	25.6	102	23.7	95	8	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	23.6	94	22.4	90	5	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.6	110	26.1	104	6	81-120/11
124-48-1	Dibromochloromethane	ND		25	23.8	95	23.6	94	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	27.2	109	25.2	101	8	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.8	103	25.4	102	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.9	112	25.6	102	9	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.8	103	25.2	101	2	87-123/10
100-41-4	Ethylbenzene	0.61	J	25	25.0	98	23.3	91	7	87-118/10
591-78-6	2-Hexanone	ND		125	139	111	137	110	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	133	106	134	107	1	62-125/13
74-83-9	Methyl bromide	ND		25	33.7	135	30.6	122	10	55-151/21
74-87-3	Methyl chloride	0.44	J	25	34.6	137	33.3	131	4	55-173/22
75-09-2	Methylene chloride	ND		25	25.6	102	25.0	100	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	123	98	122	98	1	61-127/13
100-42-5	Styrene	ND		25	25.4	102	23.4	94	8	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.4	106	24.6	98	7	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.6	98	24.3	97	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.7	99	24.0	96	3	80-114/11
127-18-4	Tetrachloroethylene	ND		25	27.2	109	25.1	100	8	80-131/12
108-88-3	Toluene	ND		25	26.6	106	25.2	101	5	86-116/10
79-01-6	Trichloroethylene	0.44	J	25	27.5	108	25.5	100	8	85-124/10
75-01-4	Vinyl chloride	ND		25	28.9	116	28.5	114	1	57-153/22
1330-20-7	Xylene (total)	ND		75	74.2	99	69.4	93	7	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55903
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55903-8MS	M0025615.D	1	03/04/08	MM	n/a	n/a	VM1058
F55903-8MSD	M0025616.D	1	03/04/08	MM	n/a	n/a	VM1058
F55903-8	M0025605.D	1	03/04/08	MM	n/a	n/a	VM1058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55903-1, F55903-3, F55903-6, F55903-7, F55903-8, F55903-9, F55903-10, F55903-11, F55903-12, F55903-13, F55903-14, F55903-15, F55903-16

CAS No.	Surrogate Recoveries	MS	MSD	F55903-8	Limits
1868-53-7	Dibromofluoromethane	98%	97%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	90%	90%	90%	76-127%
2037-26-5	Toluene-D8	96%	98%	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	96%	102%	84-120%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

03/25/08

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F55952

Sampling Dates: 02/27/08 - 02/28/08

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 74

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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

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **5**
2.1: F55952-1: USTHPFF-MW51 6
2.2: F55952-2: UST1115-MW07 8
2.3: F55952-3: UST1115-MW20 10
2.4: F55952-4: USTHPFFC-MW12 12
2.5: F55952-5: USTHPFFC-MW60 14
2.6: F55952-6: USTHPFFC-MW09 16
2.7: F55952-7: USTHPFFC-MW09D 18
2.8: F55952-8: USTHPFFC-MW19 20
2.9: F55952-9: USTHPFF-MW06 22
2.10: F55952-10: IR78-GW17-2 24
2.11: F55952-11: USTHPFFC-MW05 26
2.12: F55952-12: USTHPFFC-MW20 28
2.13: F55952-13: USTHPFFC-MW06 30
2.14: F55952-14: USTHPFF-MW10R 32
2.15: F55952-15: USTHPFFC-MW08 34
2.16: F55952-16: USTHPFF-MW17A 36
2.17: F55952-17: USTHPFF-MW01 38
2.18: F55952-18: USTHPFFC-MW10 40
2.19: F55952-19: USTHPFFC-MW10 42
2.20: F55952-20: TRIP BLANK 022808 44
Section 3: Misc. Forms **46**
3.1: Chain of Custody 47
Section 4: GC/MS Volatiles - QC Data Summaries **50**
4.1: Method Blank Summary 51
4.2: Blank Spike Summary 59
4.3: Matrix Spike/Matrix Spike Duplicate Summary 67

Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F55952

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F55952-1	02/27/08	08:00	MM	02/29/08	AQ	Ground Water	USTHPFF-MW51
F55952-2	02/27/08	09:00	MM	02/29/08	AQ	Ground Water	UST1115-MW07
F55952-3	02/27/08	10:15	MM	02/29/08	AQ	Ground Water	UST1115-MW20
F55952-4	02/27/08	11:30	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW12
F55952-5	02/27/08	12:40	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW60
F55952-6	02/27/08	14:00	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW09
F55952-7	02/27/08	14:00	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW09D
F55952-8	02/27/08	14:35	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW19
F55952-9	02/27/08	15:30	MM	02/29/08	AQ	Ground Water	USTHPFF-MW06
F55952-10	02/27/08	17:00	MM	02/29/08	AQ	Ground Water	IR78-GW17-2
F55952-11	02/28/08	17:40	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW05
F55952-12	02/28/08	09:30	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW20
F55952-13	02/28/08	10:30	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW06

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F55952

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F55952-14	02/28/08	11:00	MM	02/29/08	AQ	Ground Water	USTHPFF-MW10R
F55952-15	02/28/08	12:15	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW08
F55952-16	02/28/08	13:00	MM	02/29/08	AQ	Ground Water	USTHPFF-MW17A
F55952-17	02/28/08	13:30	MM	02/29/08	AQ	Ground Water	USTHPFF-MW01
F55952-18	02/28/08	14:40	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW10
F55952-19	02/28/08	14:40	MM	02/29/08	AQ	Ground Water	USTHPFFC-MW10
F55952-20	02/28/08	00:00	MM	02/29/08	AQ	Trip Blank Water	TRIP BLANK 022808

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFF-MW51		
Lab Sample ID:	F55952-1	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025642.D	100	03/05/08	MM	n/a	n/a	VM1059
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	2500	1000	ug/l	
71-43-2	Benzene	9020	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	ND	100	21	ug/l	
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	232	100	20	ug/l	
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride	210	500	100	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	47.7	100	27	ug/l	J
79-01-6	Trichloroethylene	ND	100	38	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:	USTHPFF-MW51		
Lab Sample ID:	F55952-1	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	ND	300	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	85%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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:	UST1115-MW07		
Lab Sample ID:	F55952-2	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025643.D	50	03/05/08	MM	n/a	n/a	VM1059
Run #2	M0025675.D	100	03/06/08	MM	n/a	n/a	VM1060

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1300	500	ug/l	
71-43-2	Benzene	4250	50	10	ug/l	
75-27-4	Bromodichloromethane	ND	50	15	ug/l	
75-25-2	Bromoform	ND	50	14	ug/l	
108-90-7	Chlorobenzene	ND	50	10	ug/l	
75-00-3	Chloroethane	ND	100	23	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
75-15-0	Carbon disulfide	ND	100	10	ug/l	
56-23-5	Carbon tetrachloride	ND	50	15	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	12	ug/l	
107-06-2	1,2-Dichloroethane	23.4	50	10	ug/l	J
78-87-5	1,2-Dichloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	1040	50	10	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	110	ug/l	
74-83-9	Methyl bromide	ND	100	27	ug/l	
74-87-3	Methyl chloride	ND	100	19	ug/l	
75-09-2	Methylene chloride [a]	70.1	250	50	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	250	100	ug/l	
100-42-5	Styrene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	15	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	19	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	15	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	6350 [b]	100	27	ug/l	
79-01-6	Trichloroethylene	ND	50	19	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:	UST1115-MW07		
Lab Sample ID:	F55952-2	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	50	17	ug/l	
1330-20-7	Xylene (total)	3530	150	28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	86%	86%	76-127%
2037-26-5	Toluene-D8	95%	95%	86-112%
460-00-4	4-Bromofluorobenzene	95%	97%	84-120%

(a) Suspected laboratory contaminant.
(b) 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:	UST1115-MW20		
Lab Sample ID:	F55952-3	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025644.D	50	03/05/08	MM	n/a	n/a	VM1059
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	1300	500	ug/l	
71-43-2	Benzene	3280	50	10	ug/l	
75-27-4	Bromodichloromethane	ND	50	15	ug/l	
75-25-2	Bromoform	ND	50	14	ug/l	
108-90-7	Chlorobenzene	ND	50	10	ug/l	
75-00-3	Chloroethane	ND	100	23	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
75-15-0	Carbon disulfide	ND	100	10	ug/l	
56-23-5	Carbon tetrachloride	ND	50	15	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	12	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	74.4	50	10	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	110	ug/l	
74-83-9	Methyl bromide	ND	100	27	ug/l	
74-87-3	Methyl chloride	ND	100	19	ug/l	
75-09-2	Methylene chloride	57.0	250	50	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	250	100	ug/l	
100-42-5	Styrene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	15	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	19	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	15	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	44.1	50	14	ug/l	J
79-01-6	Trichloroethylene	ND	50	19	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:	UST1115-MW20		
Lab Sample ID:	F55952-3	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	50	17	ug/l	
1330-20-7	Xylene (total)	35.7	150	28	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	87%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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:	USTHPFFC-MW12		
Lab Sample ID:	F55952-4	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0024883.D	1	03/06/08	MM	n/a	n/a	VN1057
Run #2 [b]	M0025684.D	1	03/06/08	MM	n/a	n/a	VM1060

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	112	25	10	ug/l	
71-43-2	Benzene	63.6	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.8	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.89	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	253	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	2.3	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW12		
Lab Sample ID:	F55952-4	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.92	3.0	0.56	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	56%	70%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	85%	76-127%
2037-26-5	Toluene-D8	98%	95%	86-112%
460-00-4	4-Bromofluorobenzene	102%	97%	84-120%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.
(b) Confirmation run.

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:	USTHPFFC-MW60		
Lab Sample ID:	F55952-5	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025649.D	100	03/05/08	MM	n/a	n/a	VM1059
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	2500	1000	ug/l	
71-43-2	Benzene	8650	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	ND	100	21	ug/l	
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	234	100	20	ug/l	
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride	125	500	100	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	53.0	100	27	ug/l	J
79-01-6	Trichloroethylene	ND	100	38	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:	USTHPFFC-MW60		
Lab Sample ID:	F55952-5	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	64.2	300	56	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	88%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

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:	USTHPFFC-MW09		
Lab Sample ID:	F55952-6	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025650.D	1	03/05/08	MM	n/a	n/a	VM1059
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	10	ug/l	
71-43-2	Benzene	15.9	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.1	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW09		
Lab Sample ID:	F55952-6	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	89%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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:	USTHPFFC-MW09D		
Lab Sample ID:	F55952-7	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025651.D	1	03/05/08	MM	n/a	n/a	VM1059
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	10	ug/l	
71-43-2	Benzene	15.6	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.0	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW09D		
Lab Sample ID:	F55952-7	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	87%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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:	USTHPFFC-MW19		
Lab Sample ID:	F55952-8	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025652.D	50	03/05/08	MM	n/a	n/a	VM1059
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	1300	500	ug/l	
71-43-2	Benzene	3760	50	10	ug/l	
75-27-4	Bromodichloromethane	ND	50	15	ug/l	
75-25-2	Bromoform	ND	50	14	ug/l	
108-90-7	Chlorobenzene	ND	50	10	ug/l	
75-00-3	Chloroethane	ND	100	23	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
75-15-0	Carbon disulfide	ND	100	10	ug/l	
56-23-5	Carbon tetrachloride	ND	50	15	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	12	ug/l	
107-06-2	1,2-Dichloroethane	335	50	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	447	50	10	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	110	ug/l	
74-83-9	Methyl bromide	ND	100	27	ug/l	
74-87-3	Methyl chloride	ND	100	19	ug/l	
75-09-2	Methylene chloride	80.1	250	50	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	250	100	ug/l	
100-42-5	Styrene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	15	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	19	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	15	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	2330	50	14	ug/l	
79-01-6	Trichloroethylene	ND	50	19	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:	USTHPFFC-MW19		
Lab Sample ID:	F55952-8	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	50	17	ug/l	
1330-20-7	Xylene (total)	2040	150	28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	86%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

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:	USTHPFF-MW06		
Lab Sample ID:	F55952-9	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0024884.D	1	03/06/08	MM	n/a	n/a	VN1057
Run #2 [b]	M0025646.D	10	03/05/08	MM	n/a	n/a	VM1059

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	92.0	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.23	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	24.8	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	38.1	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	44.9	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFF-MW06		
Lab Sample ID:	F55952-9	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	91.8	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	93%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	88%	76-127%
2037-26-5	Toluene-D8	100%	96%	86-112%
460-00-4	4-Bromofluorobenzene	99%	95%	84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Confirmation run.

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:	IR78-GW17-2		
Lab Sample ID:	F55952-10	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025683.D	1	03/06/08	MM	n/a	n/a	VM1060
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	10	ug/l	
71-43-2	Benzene	9.4	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	1.9	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.8	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	5.8	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.39	1.0	0.38	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:	IR78-GW17-2		
Lab Sample ID:	F55952-10	**Date Sampled:**	02/27/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	10	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		87-116%
17060-07-0	1,2-Dichloroethane-D4	85%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

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:	USTHPFFC-MW05		
Lab Sample ID:	F55952-11	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0024866.D	1	03/05/08	MM	n/a	n/a	VN1056
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	10	ug/l	
71-43-2	Benzene	3.9	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	2.3	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	4.5	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW05		
Lab Sample ID:	F55952-11	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	12.4	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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:	USTHPFFC-MW20		
Lab Sample ID:	F55952-12	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0024873.D	100	03/05/08	MM	n/a	n/a	VN1056
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	2500	1000	ug/l	
71-43-2	Benzene	3210	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	ND	100	21	ug/l	
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	25.1	100	20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1040	100	20	ug/l	
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride [a]	136	500	100	ug/l	J
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	7360	100	27	ug/l	
79-01-6	Trichloroethylene	ND	100	38	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:	USTHPFFC-MW20		
Lab Sample ID:	F55952-12	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	2260	300	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

(a) Suspected laboratory contaminant.

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:	USTHPFFC-MW06		
Lab Sample ID:	F55952-13	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0024867.D	1	03/05/08	MM	n/a	n/a	VN1056
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	10	ug/l	
71-43-2	Benzene	14.1	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	16.8	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	64.9	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW06		
Lab Sample ID:	F55952-13	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	36.1	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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:	USTHPFF-MW10R		
Lab Sample ID:	F55952-14	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025680.D	20	03/06/08	MM	n/a	n/a	VM1060
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	500	200	ug/l	
71-43-2	Benzene	720	20	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.8	ug/l	
75-25-2	Bromoform	ND	20	5.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.0	ug/l	
75-00-3	Chloroethane	ND	40	9.2	ug/l	
67-66-3	Chloroform	ND	20	4.2	ug/l	
75-15-0	Carbon disulfide	ND	40	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	4.6	ug/l	
107-06-2	1,2-Dichloroethane	6.6	20	4.0	ug/l	J
78-87-5	1,2-Dichloropropane	ND	20	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	5.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.8	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	494	20	4.0	ug/l	
591-78-6	2-Hexanone	ND	200	57	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	44	ug/l	
74-83-9	Methyl bromide	ND	40	11	ug/l	
74-87-3	Methyl chloride	ND	40	7.6	ug/l	
75-09-2	Methylene chloride [a]	60.3	100	20	ug/l	J
78-93-3	Methyl ethyl ketone	91.9	100	40	ug/l	J
100-42-5	Styrene	ND	20	4.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	7.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	6.0	ug/l	
127-18-4	Tetrachloroethylene	ND	20	5.0	ug/l	
108-88-3	Toluene	1420	20	5.4	ug/l	
79-01-6	Trichloroethylene	ND	20	7.6	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:	USTHPFF-MW10R		
Lab Sample ID:	F55952-14	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	20	6.8	ug/l	
1330-20-7	Xylene (total)	2520	60	11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	85%		76-127%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	93%		84-120%

(a) Suspected laboratory contaminant.

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:	USTHPFFC-MW08		
Lab Sample ID:	F55952-15	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0024875.D	50	03/05/08	MM	n/a	n/a	VN1056
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	1300	500	ug/l	
71-43-2	Benzene	2760	50	10	ug/l	
75-27-4	Bromodichloromethane	ND	50	15	ug/l	
75-25-2	Bromoform	ND	50	14	ug/l	
108-90-7	Chlorobenzene	ND	50	10	ug/l	
75-00-3	Chloroethane	ND	100	23	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
75-15-0	Carbon disulfide	ND	100	10	ug/l	
56-23-5	Carbon tetrachloride	ND	50	15	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	12	ug/l	
107-06-2	1,2-Dichloroethane	26.3	50	10	ug/l	J
78-87-5	1,2-Dichloropropane	ND	50	13	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	163	50	10	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	110	ug/l	
74-83-9	Methyl bromide	ND	100	27	ug/l	
74-87-3	Methyl chloride	ND	100	19	ug/l	
75-09-2	Methylene chloride [a]	73.2	250	50	ug/l	J
78-93-3	Methyl ethyl ketone	ND	250	100	ug/l	
100-42-5	Styrene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	15	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	19	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	15	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	134	50	14	ug/l	
79-01-6	Trichloroethylene	ND	50	19	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:	USTHPFFC-MW08		
Lab Sample ID:	F55952-15	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	50	17	ug/l	
1330-20-7	Xylene (total)	455	150	28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Suspected laboratory contaminant.

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:	USTHPFF-MW17A		
Lab Sample ID:	F55952-16	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0024876.D	500	03/05/08	MM	n/a	n/a	VN1056
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	13000	5000	ug/l	
71-43-2	Benzene	6480	500	100	ug/l	
75-27-4	Bromodichloromethane	ND	500	150	ug/l	
75-25-2	Bromoform	ND	500	140	ug/l	
108-90-7	Chlorobenzene	ND	500	100	ug/l	
75-00-3	Chloroethane	ND	1000	230	ug/l	
67-66-3	Chloroform	ND	500	110	ug/l	
75-15-0	Carbon disulfide	ND	1000	100	ug/l	
56-23-5	Carbon tetrachloride	ND	500	150	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	130	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	120	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	100	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	130	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	140	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	120	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	2720	500	100	ug/l	
591-78-6	2-Hexanone	ND	5000	1400	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1100	ug/l	
74-83-9	Methyl bromide	ND	1000	270	ug/l	
74-87-3	Methyl chloride	ND	1000	190	ug/l	
75-09-2	Methylene chloride [a]	668	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
100-42-5	Styrene	ND	500	100	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	150	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	190	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	150	ug/l	
127-18-4	Tetrachloroethylene	ND	500	130	ug/l	
108-88-3	Toluene	25200	500	140	ug/l	
79-01-6	Trichloroethylene	ND	500	190	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:	USTHPFF-MW17A		
Lab Sample ID:	F55952-16	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	500	170	ug/l	
1330-20-7	Xylene (total)	9420	1500	280	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Suspected laboratory contaminant.

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:	USTHPFF-MW01		
Lab Sample ID:	F55952-17	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0024877.D	250	03/05/08	MM	n/a	n/a	VN1056
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	6300	2500	ug/l	
71-43-2	Benzene	3910	250	50	ug/l	
75-27-4	Bromodichloromethane	ND	250	73	ug/l	
75-25-2	Bromoform	ND	250	70	ug/l	
108-90-7	Chlorobenzene	ND	250	50	ug/l	
75-00-3	Chloroethane	ND	500	120	ug/l	
67-66-3	Chloroform	ND	250	53	ug/l	
75-15-0	Carbon disulfide	ND	500	50	ug/l	
56-23-5	Carbon tetrachloride	ND	250	73	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	63	ug/l	
75-35-4	1,1-Dichloroethylene	ND	250	58	ug/l	
107-06-2	1,2-Dichloroethane	ND	250	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	250	63	ug/l	
124-48-1	Dibromochloromethane	ND	250	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	250	70	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	250	60	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	250	50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	250	53	ug/l	
100-41-4	Ethylbenzene	2860	250	50	ug/l	
591-78-6	2-Hexanone	ND	2500	720	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1300	560	ug/l	
74-83-9	Methyl bromide	ND	500	140	ug/l	
74-87-3	Methyl chloride	ND	500	95	ug/l	
75-09-2	Methylene chloride [a]	329	1300	250	ug/l	J
78-93-3	Methyl ethyl ketone	ND	1300	500	ug/l	
100-42-5	Styrene	ND	250	50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	73	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	93	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	250	75	ug/l	
127-18-4	Tetrachloroethylene	ND	250	63	ug/l	
108-88-3	Toluene	19500	250	68	ug/l	
79-01-6	Trichloroethylene	ND	250	95	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:	USTHPFF-MW01		
Lab Sample ID:	F55952-17	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	250	85	ug/l	
1330-20-7	Xylene (total)	13200	750	140	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

(a) Suspected laboratory contaminant.

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:	USTHPFFC-MW10		
Lab Sample ID:	F55952-18	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0024868.D	1	03/05/08	MM	n/a	n/a	VN1056
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW10		
Lab Sample ID:	F55952-18	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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:	USTHPFFC-MW10		
Lab Sample ID:	F55952-19	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0024869.D	1	03/05/08	MM	n/a	n/a	VN1056
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFFC-MW10		
Lab Sample ID:	F55952-19	**Date Sampled:**	02/28/08
Matrix:	AQ - Ground Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

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 022808		
Lab Sample ID:	F55952-20	**Date Sampled:**	02/28/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0024870.D	1	03/05/08	MM	n/a	n/a	VN1056
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 022808		
Lab Sample ID:	F55952-20	**Date Sampled:**	02/28/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

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:

- Certification Exceptions
- Chain of Custody

COC Number:
125709-HPFF-022708

F55952

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390 | Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	USTHPFF-MW51	2/27/08	8:00		X	USTHPFF-MW51	3	X
2	UST1115-MW07	2/27/08	9:00		X	UST1115-MW07	3	X
3	UST1115-MW20	2/27/08	10:15		X	UST1115-MW20	3	X
4	USTHPFFC-MW12	2/27/08	11:30		X	USTHPFFC-MW12	3	X
5	USTHPFFC-MW60	2/27/08	12:40		X	USTHPFFC-MW60	3	X
6	USTHPFFC-MW09	2/27/08	14:00		X	USTHPFFC-MW09	3	X
7	USTHPFFC-MW09D	2/27/08	14:00		X	USTHPFFC-MW09 Dup	3	X
8	USTHPFFC-MW19	2/27/08	14:35		X	USTHPFFC-MW19	3	X
9	USTHPFF-MW06	2/27/08	15:30		X	USTHPFF-MW06	3	X
10	IR78-GW17-2	2/27/08	17:00		X	IR78-GW17-2	3	X
11	USTHPFFC-MW05	2/27/08	17:40		X	USTHPFFC-MW05	3	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 11	[signature]	FedEx 8639 0322 2055	2/28/08	16:00	14 Day TAT
2		FX	[signature]	2.29.08	09:00	
3						

2.4

F55952: Chain of Custody
Page 1 of 3

ACCUTEST
F55952

COC Number:
125709-HPFF-022808
F55952

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	USTHPFFC-MW20	2/28/08	9:30		X	USTHPFFC-MW20	3	X
2	USTHPFFC-MW06	2/28/08	10:30		X	USTHPFFC-MW06	3	X
3	USTHPFF-MW10R	2/28/08	11:00		X	USTHPFF-MW10R	3	X
4	USTHPFFC-MW08	2/28/08	12:15		X	USTHPFFC-MW08	3	X
5	USTHPFF-MW17A	2/28/08	13:00		X	USTHPFF-MW17A	3	X
6	USTHPFFC-MW01	2/28/08	13:30		X	USTHPFFC-MW01	3	X
7	USTHPFFC-MW10	2/28/08	14:40		X	USTHPFFC-MW10	3	X
8	USTHPFFC-MW10	2/28/08	14:40		X	USTHPFFC-MW10	3	X
9	Trip Blank 022808	2/28/08	—		X	Trip Blank	2	X
10								

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 9		FedEx 8639 0322 2055	7/25/08	16:00	14 Day TAT
2		FX		7.29.08	09:00	
3						

2.4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F55452 CLIENT: Shaw PROJECT: Camp Lejeune -HPFF

DATE/TIME RECEIVED: 2-29-08 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8439 0322 2055

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
- [ ] WET ICE RECEIVED IN COOLER

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)
- [X] 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 ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Samp. #6 (MW09) All vials ID MW12 COC has MW09, Samp # 7 (MW09D), All have ID of MW12D COC has MW09D

TECHNICIAN SIGNATURE/DATE E.T. 2-29-08 TECHNICIAN SIGNATURE/DATE JC 2-29-08 ASBD 12/17/07

3.1 3

F55952: Chain of Custody
Page 3 of 3

ACCUTEST
F55952

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: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1059-MB	M0025634.D	1	03/05/08	MM	n/a	n/a	VM1059

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-1, F55952-2, F55952-3, F55952-5, F55952-6, F55952-7, F55952-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	1.2	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1059-MB	M0025634.D	1	03/05/08	MM	n/a	n/a	VM1059

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-1, F55952-2, F55952-3, F55952-5, F55952-6, F55952-7, F55952-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	89%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Method Blank Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1056-MB	N0024862.D	1	03/05/08	MM	n/a	n/a	VN1056

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-11, F55952-12, F55952-13, F55952-15, F55952-16, F55952-17, F55952-18, F55952-19, F55952-20

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1056-MB	N0024862.D	1	03/05/08	MM	n/a	n/a	VN1056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-11, F55952-12, F55952-13, F55952-15, F55952-16, F55952-17, F55952-18, F55952-19, F55952-20

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Method Blank Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1057-MB	N0024882.D	1	03/06/08	MM	n/a	n/a	VN1057

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-4, F55952-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1057-MB	N0024882.D	1	03/06/08	MM	n/a	n/a	VN1057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-4, F55952-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1060-MB	M0025663.D	1	03/06/08	MM	n/a	n/a	VM1060

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-2, F55952-10, F55952-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1060-MB	M0025663.D	1	03/06/08	MM	n/a	n/a	VM1060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-2, F55952-10, F55952-14

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	90%	76-127%
2037-26-5	Toluene-D8	95%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1059-BS	M0025633.D	1	03/05/08	MM	n/a	n/a	VM1059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-1, F55952-2, F55952-3, F55952-5, F55952-6, F55952-7, F55952-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	116	93	59-134
71-43-2	Benzene	25	26.1	104	83-124
75-27-4	Bromodichloromethane	25	24.2	97	76-116
75-25-2	Bromoform	25	24.5	98	68-128
108-90-7	Chlorobenzene	25	26.0	104	87-115
75-00-3	Chloroethane	25	31.8	127	54-166
67-66-3	Chloroform	25	25.9	104	85-123
75-15-0	Carbon disulfide	25	28.7	115	67-147
56-23-5	Carbon tetrachloride	25	26.0	104	74-139
75-34-3	1,1-Dichloroethane	25	27.8	111	82-127
75-35-4	1,1-Dichloroethylene	25	26.8	107	75-133
107-06-2	1,2-Dichloroethane	25	22.8	91	76-122
78-87-5	1,2-Dichloropropane	25	25.6	102	81-120
124-48-1	Dibromochloromethane	25	24.4	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.3	105	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.1	108	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.4	102	87-123
100-41-4	Ethylbenzene	25	23.7	95	87-118
591-78-6	2-Hexanone	125	124	99	58-125
108-10-1	4-Methyl-2-pentanone	125	121	97	62-125
74-83-9	Methyl bromide	25	31.9	128	55-151
74-87-3	Methyl chloride	25	34.7	139	55-173
75-09-2	Methylene chloride	25	26.1	104	69-125
78-93-3	Methyl ethyl ketone	125	111	89	61-127
100-42-5	Styrene	25	25.0	100	78-118
71-55-6	1,1,1-Trichloroethane	25	26.3	105	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.7	91	71-120
79-00-5	1,1,2-Trichloroethane	25	23.5	94	80-114
127-18-4	Tetrachloroethylene	25	27.4	110	80-131
108-88-3	Toluene	25	26.1	104	86-116
79-01-6	Trichloroethylene	25	26.6	106	85-124
75-01-4	Vinyl chloride	25	31.8	127	57-153
1330-20-7	Xylene (total)	75	72.0	96	86-120

Blank Spike Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1059-BS	M0025633.D	1	03/05/08	MM	n/a	n/a	VM1059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-1, F55952-2, F55952-3, F55952-5, F55952-6, F55952-7, F55952-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	89%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1056-BS	N0024861.D	1	03/05/08	MM	n/a	n/a	VN1056

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-11, F55952-12, F55952-13, F55952-15, F55952-16, F55952-17, F55952-18, F55952-19, F55952-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	107	86	59-134
71-43-2	Benzene	25	27.1	108	83-124
75-27-4	Bromodichloromethane	25	25.8	103	76-116
75-25-2	Bromoform	25	25.4	102	68-128
108-90-7	Chlorobenzene	25	27.8	111	87-115
75-00-3	Chloroethane	25	26.6	106	54-166
67-66-3	Chloroform	25	28.3	113	85-123
75-15-0	Carbon disulfide	25	26.9	108	67-147
56-23-5	Carbon tetrachloride	25	27.8	111	74-139
75-34-3	1,1-Dichloroethane	25	28.7	115	82-127
75-35-4	1,1-Dichloroethylene	25	25.2	101	75-133
107-06-2	1,2-Dichloroethane	25	24.6	98	76-122
78-87-5	1,2-Dichloropropane	25	26.2	105	81-120
124-48-1	Dibromochloromethane	25	26.5	106	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.0	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.6	110	83-119
156-60-5	trans-1,2-Dichloroethylene	25	20.2	81*	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.9	120	87-123
100-41-4	Ethylbenzene	25	26.1	104	87-118
591-78-6	2-Hexanone	125	128	102	58-125
108-10-1	4-Methyl-2-pentanone	125	127	102	62-125
74-83-9	Methyl bromide	25	25.3	101	55-151
74-87-3	Methyl chloride	25	30.5	122	55-173
75-09-2	Methylene chloride	25	24.8	99	69-125
78-93-3	Methyl ethyl ketone	125	126	101	61-127
100-42-5	Styrene	25	28.2	113	78-118
71-55-6	1,1,1-Trichloroethane	25	30.0	120	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.6	102	71-120
79-00-5	1,1,2-Trichloroethane	25	25.6	102	80-114
127-18-4	Tetrachloroethylene	25	28.0	112	80-131
108-88-3	Toluene	25	28.1	112	86-116
79-01-6	Trichloroethylene	25	27.5	110	85-124
75-01-4	Vinyl chloride	25	27.6	110	57-153
1330-20-7	Xylene (total)	75	81.1	108	86-120

Blank Spike Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1056-BS	N0024861.D	1	03/05/08	MM	n/a	n/a	VN1056

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-11, F55952-12, F55952-13, F55952-15, F55952-16, F55952-17, F55952-18, F55952-19, F55952-20

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Blank Spike Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1057-BS	N0024881.D	1	03/06/08	MM	n/a	n/a	VN1057

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-4, F55952-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	126	101	59-134
71-43-2	Benzene	25	25.1	100	83-124
75-27-4	Bromodichloromethane	25	24.5	98	76-116
75-25-2	Bromoform	25	24.1	96	68-128
108-90-7	Chlorobenzene	25	26.1	104	87-115
75-00-3	Chloroethane	25	34.7	139	54-166
67-66-3	Chloroform	25	26.6	106	85-123
75-15-0	Carbon disulfide	25	31.1	124	67-147
56-23-5	Carbon tetrachloride	25	26.7	107	74-139
75-34-3	1,1-Dichloroethane	25	27.2	109	82-127
75-35-4	1,1-Dichloroethylene	25	28.3	113	75-133
107-06-2	1,2-Dichloroethane	25	24.0	96	76-122
78-87-5	1,2-Dichloropropane	25	25.3	101	81-120
124-48-1	Dibromochloromethane	25	24.3	97	74-116
156-59-2	cis-1,2-Dichloroethylene	25	23.7	95	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.6	102	83-119
156-60-5	trans-1,2-Dichloroethylene	25	23.1	92	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	24.5	98	87-118
591-78-6	2-Hexanone	125	133	106	58-125
108-10-1	4-Methyl-2-pentanone	125	130	104	62-125
74-83-9	Methyl bromide	25	33.5	134	55-151
74-87-3	Methyl chloride	25	33.6	134	55-173
75-09-2	Methylene chloride	25	24.9	100	69-125
78-93-3	Methyl ethyl ketone	125	133	106	61-127
100-42-5	Styrene	25	25.6	102	78-118
71-55-6	1,1,1-Trichloroethane	25	28.4	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.2	93	71-120
79-00-5	1,1,2-Trichloroethane	25	23.3	93	80-114
127-18-4	Tetrachloroethylene	25	25.8	103	80-131
108-88-3	Toluene	25	25.0	100	86-116
79-01-6	Trichloroethylene	25	26.8	107	85-124
75-01-4	Vinyl chloride	25	30.3	121	57-153
1330-20-7	Xylene (total)	75	73.3	98	86-120

Blank Spike Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1057-BS	N0024881.D	1	03/06/08	MM	n/a	n/a	VN1057

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-4, F55952-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Blank Spike Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1060-BS	M0025662.D	1	03/06/08	MM	n/a	n/a	VM1060

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-2, F55952-10, F55952-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	114	91	59-134
71-43-2	Benzene	25	26.5	106	83-124
75-27-4	Bromodichloromethane	25	24.8	99	76-116
75-25-2	Bromoform	25	25.4	102	68-128
108-90-7	Chlorobenzene	25	26.2	105	87-115
75-00-3	Chloroethane	25	30.4	122	54-166
67-66-3	Chloroform	25	26.3	105	85-123
75-15-0	Carbon disulfide	25	28.6	114	67-147
56-23-5	Carbon tetrachloride	25	26.9	108	74-139
75-34-3	1,1-Dichloroethane	25	28.1	112	82-127
75-35-4	1,1-Dichloroethylene	25	26.6	106	75-133
107-06-2	1,2-Dichloroethane	25	23.7	95	76-122
78-87-5	1,2-Dichloropropane	25	26.4	106	81-120
124-48-1	Dibromochloromethane	25	24.7	99	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.9	108	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.2	109	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.0	108	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	24.5	98	87-118
591-78-6	2-Hexanone	125	125	100	58-125
108-10-1	4-Methyl-2-pentanone	125	124	99	62-125
74-83-9	Methyl bromide	25	29.9	120	55-151
74-87-3	Methyl chloride	25	34.3	137	55-173
75-09-2	Methylene chloride	25	24.7	99	69-125
78-93-3	Methyl ethyl ketone	125	114	91	61-127
100-42-5	Styrene	25	24.7	99	78-118
71-55-6	1,1,1-Trichloroethane	25	27.6	110	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.6	90	71-120
79-00-5	1,1,2-Trichloroethane	25	23.7	95	80-114
127-18-4	Tetrachloroethylene	25	28.1	112	80-131
108-88-3	Toluene	25	26.8	107	86-116
79-01-6	Trichloroethylene	25	27.2	109	85-124
75-01-4	Vinyl chloride	25	32.1	128	57-153
1330-20-7	Xylene (total)	75	73.5	98	86-120

Blank Spike Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1060-BS	M0025662.D	1	03/06/08	MM	n/a	n/a	VM1060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-2, F55952-10, F55952-14

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	91%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55952-9MS	M0025647.D	10	03/05/08	MM	n/a	n/a	VM1059
F55952-9MSD	M0025648.D	10	03/05/08	MM	n/a	n/a	VM1059
F55952-9 [a]	M0025646.D	10	03/05/08	MM	n/a	n/a	VM1059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-1, F55952-2, F55952-3, F55952-5, F55952-6, F55952-7, F55952-8

CAS No.	Compound	F55952-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1250	1260	101	1230	98	2	59-134/14
71-43-2	Benzene	89.0		250	351	105	327	95	7	83-124/11
75-27-4	Bromodichloromethane	ND		250	246	98	236	94	4	76-116/10
75-25-2	Bromoform	ND		250	237	95	232	93	2	68-128/11
108-90-7	Chlorobenzene	ND		250	258	103	246	98	5	87-115/9
75-00-3	Chloroethane	ND		250	351	140	312	125	12	54-166/20
67-66-3	Chloroform	ND		250	265	106	252	101	5	85-123/10
75-15-0	Carbon disulfide	ND		250	283	113	259	104	9	67-147/12
56-23-5	Carbon tetrachloride	ND		250	247	99	244	98	1	74-139/13
75-34-3	1,1-Dichloroethane	ND		250	281	112	266	106	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		250	265	106	246	98	7	75-133/13
107-06-2	1,2-Dichloroethane	ND		250	228	91	219	88	4	76-122/11
78-87-5	1,2-Dichloropropane	ND		250	273	109	252	101	8	81-120/11
124-48-1	Dibromochloromethane	ND		250	238	95	229	92	4	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		250	260	104	247	99	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		250	261	104	246	98	6	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		250	269	108	256	102	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		250	248	99	240	96	3	87-123/10
100-41-4	Ethylbenzene	18.6		250	254	94	243	90	4	87-118/10
591-78-6	2-Hexanone	ND		1250	1330	106	1300	104	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		1250	1300	104	1270	102	2	62-125/13
74-83-9	Methyl bromide	ND		250	332	133	303	121	9	55-151/21
74-87-3	Methyl chloride	ND		250	359	144	327	131	9	55-173/22
75-09-2	Methylene chloride	10.7	J	250	263	101	240	92	9	69-125/11
78-93-3	Methyl ethyl ketone	ND		1250	1220	98	1190	95	2	61-127/13
100-42-5	Styrene	ND		250	245	98	230	92	6	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		250	260	104	254	102	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	235	94	223	89	5	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		250	271	108	263	105	3	80-114/11
127-18-4	Tetrachloroethylene	ND		250	261	104	258	103	1	80-131/12
108-88-3	Toluene	36.9		250	293	102	286	100	2	86-116/10
79-01-6	Trichloroethylene	ND		250	269	108	251	100	7	85-124/10
75-01-4	Vinyl chloride	ND		250	299	120	289	116	3	57-153/22
1330-20-7	Xylene (total)	60.3		750	781	96	743	91	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55952-9MS	M0025647.D	10	03/05/08	MM	n/a	n/a	VM1059
F55952-9MSD	M0025648.D	10	03/05/08	MM	n/a	n/a	VM1059
F55952-9 [a]	M0025646.D	10	03/05/08	MM	n/a	n/a	VM1059

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-1, F55952-2, F55952-3, F55952-5, F55952-6, F55952-7, F55952-8

CAS No.	Surrogate Recoveries	MS	MSD	F55952-9	Limits
1868-53-7	Dibromofluoromethane	97%	97%	93%	87-116%
17060-07-0	1,2-Dichloroethane-D4	90%	90%	88%	76-127%
2037-26-5	Toluene-D8	97%	97%	96%	86-112%
460-00-4	4-Bromofluorobenzene	95%	95%	95%	84-120%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55945-1MS	N0024864.D	10	03/05/08	MM	n/a	n/a	VN1056
F55945-1MSD	N0024865.D	10	03/05/08	MM	n/a	n/a	VN1056
F55945-1 [a]	N0024863.D	10	03/05/08	MM	n/a	n/a	VN1056

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-11, F55952-12, F55952-13, F55952-15, F55952-16, F55952-17, F55952-18, F55952-19, F55952-20

CAS No.	Compound	F55945-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1250	1140	91	1090	87	4	59-134/14
71-43-2	Benzene	ND		250	258	103	257	103	0	83-124/11
75-27-4	Bromodichloromethane	ND		250	252	101	249	100	1	76-116/10
75-25-2	Bromoform	ND		250	245	98	242	97	1	68-128/11
108-90-7	Chlorobenzene	ND		250	275	110	270	108	2	87-115/9
75-00-3	Chloroethane	ND		250	319	128	300	120	6	54-166/20
67-66-3	Chloroform	ND		250	273	109	273	109	0	85-123/10
75-15-0	Carbon disulfide	ND		250	305	122	293	117	4	67-147/12
56-23-5	Carbon tetrachloride	ND		250	275	110	269	108	2	74-139/13
75-34-3	1,1-Dichloroethane	ND		250	284	114	276	110	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		250	281	112	269	108	4	75-133/13
107-06-2	1,2-Dichloroethane	ND		250	250	100	247	99	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		250	258	103	251	100	3	81-120/11
124-48-1	Dibromochloromethane	ND		250	253	101	252	101	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		250	248	99	248	99	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		250	261	104	259	104	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		250	249	100	242	97	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		250	274	110	277	111	1	87-123/10
100-41-4	Ethylbenzene	ND		250	259	104	256	102	1	87-118/10
591-78-6	2-Hexanone	ND		1250	1280	102	1270	102	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		1250	1290	103	1280	102	1	62-125/13
74-83-9	Methyl bromide	ND		250	289	116	280	112	3	55-151/21
74-87-3	Methyl chloride	ND		250	334	134	327	131	2	55-173/22
75-09-2	Methylene chloride	36.8	J	250	285	99	276	96	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		1250	1240	99	1240	99	0	61-127/13
100-42-5	Styrene	ND		250	272	109	272	109	0	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		250	298	119	285	114	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	239	96	239	96	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		250	242	97	241	96	0	80-114/11
127-18-4	Tetrachloroethylene	ND		250	268	107	264	106	2	80-131/12
108-88-3	Toluene	ND		250	266	106	261	104	2	86-116/10
79-01-6	Trichloroethylene	ND		250	271	108	271	108	0	85-124/10
75-01-4	Vinyl chloride	ND		250	307	123	298	119	3	57-153/22
1330-20-7	Xylene (total)	ND		750	781	104	775	103	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55945-1MS	N0024864.D	10	03/05/08	MM	n/a	n/a	VN1056
F55945-1MSD	N0024865.D	10	03/05/08	MM	n/a	n/a	VN1056
F55945-1 [a]	N0024863.D	10	03/05/08	MM	n/a	n/a	VN1056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-11, F55952-12, F55952-13, F55952-15, F55952-16, F55952-17, F55952-18, F55952-19, F55952-20

CAS No.	Surrogate Recoveries	MS	MSD	F55945-1	Limits
1868-53-7	Dibromofluoromethane	101%	100%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	101%	99%	76-127%
2037-26-5	Toluene-D8	98%	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	101%	84-120%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55920-12MS	N0024896.D	1	03/06/08	MM	n/a	n/a	VN1057
F55920-12MSD	N0024897.D	1	03/06/08	MM	n/a	n/a	VN1057
F55920-12	N0024895.D	1	03/06/08	MM	n/a	n/a	VN1057

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-4, F55952-9

CAS No.	Compound	F55920-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	136	109	132	106	3	59-134/14
71-43-2	Benzene	1.1	J	25	25.9	99	25.5	98	2	83-124/11
75-27-4	Bromodichloromethane	ND		25	23.7	95	23.6	94	0	76-116/10
75-25-2	Bromoform	ND		25	22.6	90	23.1	92	2	68-128/11
108-90-7	Chlorobenzene	0.51	J	25	26.9	106	26.3	103	2	87-115/9
75-00-3	Chloroethane	1.3	J	25	45.9	178*	41.1	159	11	54-166/20
67-66-3	Chloroform	ND		25	26.1	104	25.9	104	1	85-123/10
75-15-0	Carbon disulfide	ND		25	34.9	140	33.8	135	3	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.1	104	25.5	102	2	74-139/13
75-34-3	1,1-Dichloroethane	12.8		25	39.0	105	38.9	104	0	82-127/10
75-35-4	1,1-Dichloroethylene	0.49	J	25	33.7	133	32.2	127	5	75-133/13
107-06-2	1,2-Dichloroethane	0.24	J	25	24.5	97	24.5	97	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.8	99	24.7	99	0	81-120/11
124-48-1	Dibromochloromethane	ND		25	23.4	94	23.3	93	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	4.2		25	27.8	94	27.9	95	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.2	97	24.6	98	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.3	105	25.2	101	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.0	100	25.6	102	2	87-123/10
100-41-4	Ethylbenzene	ND		25	24.2	97	23.8	95	2	87-118/10
591-78-6	2-Hexanone	ND		125	130	104	130	104	0	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	131	105	130	104	1	62-125/13
74-83-9	Methyl bromide	ND		25	39.6	158*	35.1	140	12	55-151/21
74-87-3	Methyl chloride	ND		25	35.0	140	35.2	141	1	55-173/22
75-09-2	Methylene chloride	10.2		25	38.6	114	37.3	108	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	126	101	127	102	1	61-127/13
100-42-5	Styrene	ND		25	25.3	101	24.0	96	5	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	27.8	111	27.5	110	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	22.2	89	22.3	89	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	23.0	92	22.8	91	1	80-114/11
127-18-4	Tetrachloroethylene	0.64	J	25	26.0	101	25.8	101	1	80-131/12
108-88-3	Toluene	ND		25	24.6	98	24.3	97	1	86-116/10
79-01-6	Trichloroethylene	2.2		25	28.1	104	27.3	100	3	85-124/10
75-01-4	Vinyl chloride	ND		25	30.9	124	32.5	130	5	57-153/22
1330-20-7	Xylene (total)	1.2	J	75	73.3	96	72.9	96	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55920-12MS	N0024896.D	1	03/06/08	MM	n/a	n/a	VN1057
F55920-12MSD	N0024897.D	1	03/06/08	MM	n/a	n/a	VN1057
F55920-12	N0024895.D	1	03/06/08	MM	n/a	n/a	VN1057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-4, F55952-9

CAS No.	Surrogate Recoveries	MS	MSD	F55920-12	Limits
1868-53-7	Dibromofluoromethane	102%	102%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	104%	98%	76-127%
2037-26-5	Toluene-D8	95%	95%	98%	86-112%
460-00-4	4-Bromofluorobenzene	93%	95%	96%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56010-17MS	M0025673.D	1	03/06/08	MM	n/a	n/a	VM1060
F56010-17MSD	M0025674.D	1	03/06/08	MM	n/a	n/a	VM1060
F56010-17	M0025667.D	1	03/06/08	MM	n/a	n/a	VM1060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F55952-2, F55952-10, F55952-14

CAS No.	Compound	F56010-17 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	114	91	119	95	4	59-134/14
71-43-2	Benzene	1.0 U		25	25.8	103	26.2	105	2	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	23.0	92	23.9	96	4	76-116/10
75-25-2	Bromoform	1.0 U		25	23.0	92	23.7	95	3	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	25.3	101	25.4	102	0	87-115/9
75-00-3	Chloroethane	2.0 U		25	33.4	134	34.9	140	4	54-166/20
67-66-3	Chloroform	1.0 U		25	25.1	100	25.9	104	3	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	25.6	102	25.9	104	1	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	24.0	96	24.1	96	0	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	27.5	110	27.8	111	1	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	23.3	93	24.4	98	5	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	22.1	88	22.3	89	1	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	26.2	105	26.2	105	0	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	22.4	90	22.9	92	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	24.5	98	26.0	104	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.1	96	25.0	100	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	26.6	106	27.1	108	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	23.6	94	23.5	94	0	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	23.0	92	22.9	92	0	87-118/10
591-78-6	2-Hexanone	10 U		125	129	103	130	104	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	129	103	127	102	2	62-125/13
74-83-9	Methyl bromide	2.0 U		25	30.9	124	32.8	131	6	55-151/21
74-87-3	Methyl chloride	2.0 U		25	33.5	134	36.2	145	8	55-173/22
75-09-2	Methylene chloride	5.0 U		25	25.0	100	26.4	106	5	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	117	94	118	94	1	61-127/13
100-42-5	Styrene	1.0 U		25	24.0	96	24.2	97	1	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	24.9	100	25.1	100	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.4	90	22.7	91	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.0	92	22.7	91	1	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	25.9	104	25.7	103	1	80-131/12
108-88-3	Toluene	1.0 U		25	25.2	101	25.1	100	0	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	25.9	104	26.0	104	0	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	26.9	108	28.8	115	7	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	69.0	92	68.5	91	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55952
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56010-17MS	M0025673.D	1	03/06/08	MM	n/a	n/a	VM1060
F56010-17MSD	M0025674.D	1	03/06/08	MM	n/a	n/a	VM1060
F56010-17	M0025667.D	1	03/06/08	MM	n/a	n/a	VM1060

The QC reported here applies to the following samples: Method: SW846 8260B

F55952-2, F55952-10, F55952-14

CAS No.	Surrogate Recoveries	MS	MSD	F56010-17	Limits
1868-53-7	Dibromofluoromethane	95%	98%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	87%	88%	87%	76-127%
2037-26-5	Toluene-D8	94%	95%	95%	86-112%
460-00-4	4-Bromofluorobenzene	94%	95%	99%	84-120%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

03/18/08

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F56005

Sampling Date: 03/03/08

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: 32

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

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Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

Section 1: Sample Summary **3**
Section 2: Sample Results **4**
2.1: F56005-1: USTHPFF-MW15 5
2.2: F56005-2: IR78-GW32-2 7
2.3: F56005-3: IR78-GW32-3 9
2.4: F56005-4: TRIP BLANK 030308 11
Section 3: Misc. Forms **13**
3.1: Chain of Custody 14
Section 4: GC/MS Volatiles - QC Data Summaries **16**
4.1: Method Blank Summary 17
4.2: Blank Spike Summary 23
4.3: Matrix Spike/Matrix Spike Duplicate Summary 29

Sample Summary

Shaw E & I, Inc.

Job No: F56005

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F56005-1	03/03/08	14:45	MM	03/04/08	AQ	Ground Water	USTHPFF-MW15
F56005-2	03/03/08	16:15	MM	03/04/08	AQ	Ground Water	IR78-GW32-2
F56005-3	03/03/08	16:30	MM	03/04/08	AQ	Ground Water	IR78-GW32-3
F56005-4	03/03/08	00:00	MM	03/04/08	AQ	Trip Blank Water	TRIP BLANK 030308

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFF-MW15		
Lab Sample ID:	F56005-1	**Date Sampled:**	03/03/08
Matrix:	AQ - Ground Water	**Date Received:**	03/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025785.D	100	03/12/08	MM	n/a	n/a	VM1066
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	2500	1000	ug/l	
71-43-2	Benzene	422	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	29	ug/l	
75-25-2	Bromoform	ND	100	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	200	46	ug/l	
67-66-3	Chloroform	ND	100	21	ug/l	
75-15-0	Carbon disulfide	ND	200	20	ug/l	
56-23-5	Carbon tetrachloride	ND	100	29	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	25	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	2280	100	20	ug/l	
591-78-6	2-Hexanone	ND	1000	290	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	220	ug/l	
74-83-9	Methyl bromide	ND	200	54	ug/l	
74-87-3	Methyl chloride	ND	200	38	ug/l	
75-09-2	Methylene chloride	259	500	100	ug/l	J
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	5770	100	27	ug/l	
79-01-6	Trichloroethylene	ND	100	38	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:	USTHPFF-MW15		
Lab Sample ID:	F56005-1	**Date Sampled:**	03/03/08
Matrix:	AQ - Ground Water	**Date Received:**	03/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	100	34	ug/l	
1330-20-7	Xylene (total)	13300	300	56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	83%		76-127%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	89%		84-120%

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:	IR78-GW32-2		
Lab Sample ID:	F56005-2	**Date Sampled:**	03/03/08
Matrix:	AQ - Ground Water	**Date Received:**	03/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025756.D	1	03/11/08	MM	n/a	n/a	VM1063
Run #2	M0025789.D	2	03/12/08	MM	n/a	n/a	VM1066

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	18.8	25	10	ug/l	J
71-43-2	Benzene	33.7	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	12.7	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	10	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	96.3 [a]	2.0	0.54	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	IR78-GW32-2		
Lab Sample ID:	F56005-2	**Date Sampled:**	03/03/08
Matrix:	AQ - Ground Water	**Date Received:**	03/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	68.9	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	83%	83%	76-127%
2037-26-5	Toluene-D8	86%	93%	86-112%
460-00-4	4-Bromofluorobenzene	91%	92%	84-120%

(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:	IR78-GW32-3		
Lab Sample ID:	F56005-3	**Date Sampled:**	03/03/08
Matrix:	AQ - Ground Water	**Date Received:**	03/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0025757.D	1	03/11/08	MM	n/a	n/a	VM1063
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	10	ug/l	
71-43-2	Benzene	0.53	1.0	0.20	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.69	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.78	2.0	0.38	ug/l	J
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	3.4	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	IR78-GW32-3		
Lab Sample ID:	F56005-3	**Date Sampled:**	03/03/08
Matrix:	AQ - Ground Water	**Date Received:**	03/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	3.9	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	92%		86-112%
460-00-4	4-Bromofluorobenzene	94%		84-120%

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 030308		
Lab Sample ID:	F56005-4	**Date Sampled:**	03/03/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054151.D	1	03/14/08	LD	n/a	n/a	VC2191
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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 030308		
Lab Sample ID:	F56005-4	**Date Sampled:**	03/03/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

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:

- Certification Exceptions
- Chain of Custody

COC Number:
125709-HPFF-030308

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F56005

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
1	USTHPFF-MW15	3/3/08	14:45		X	USTHPFF-MW15	3	X
2	IR78-GW32-2	3/3/08	16:15		X	IR78-GW32-2	3	X
3	IR78-GW32-3	3/3/08	16:30		X	IR78-GW32-3	3	X
4	Trip Blank 030308	3/3/08	—		X	Trip Blank	2	X
5								
6								
7								
8								
9								
10								

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 4	[signature]	FedEx 8639 0322 2033	3/3/08	17:00	14 Day TAT
2		FEDEX	DELIA MONTENEGRO -ALSE-	3-4-08	0900	
3						

1.2

F56005: Chain of Custody
Page 1 of 2

ACCUTEST
F56005

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F56005 CLIENT: SHAW ENVIRONM. PROJECT: CAMP LEJEUNE - HPFF

DATE/TIME RECEIVED: 03-04-08 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 860390322033

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
- [x] WET ICE RECEIVED IN COOLER

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 ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE FM 03-04-08 TECHNICIAN SIGNATURE/DATE JC 3-4-08 ASBD 12/17/07

F56005: 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: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1063-MB	M0025753.D	1	03/11/08	MM	n/a	n/a	VM1063

The QC reported here applies to the following samples: Method: SW846 8260B

F56005-2, F56005-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	4.7	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1063-MB	M0025753.D	1	03/11/08	MM	n/a	n/a	VM1063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F56005-2, F56005-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	84%	76-127%
2037-26-5	Toluene-D8	92%	86-112%
460-00-4	4-Bromofluorobenzene	94%	84-120%

Method Blank Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1066-MB	M0025779.D	1	03/12/08	MM	n/a	n/a	VM1066

The QC reported here applies to the following samples: Method: SW846 8260B

F56005-1, F56005-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	10	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.50	ug/l	
75-25-2	Bromoform	ND	2.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.60	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.0	ug/l	

Method Blank Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1066-MB	M0025779.D	1	03/12/08	MM	n/a	n/a	VM1066

The QC reported here applies to the following samples: Method: SW846 8260B

F56005-1, F56005-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	85%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	95%	84-120%

Method Blank Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2191-MB	C054147.D	1	03/14/08	LD	n/a	n/a	VC2191

The QC reported here applies to the following samples: Method: SW846 8260B

F56005-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2191-MB	C054147.D	1	03/14/08	LD	n/a	n/a	VC2191

The QC reported here applies to the following samples: Method: SW846 8260B

F56005-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Blank Spike Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1063-BS	M0025752.D	1	03/11/08	MM	n/a	n/a	VM1063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F56005-2, F56005-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	123	98	59-134
71-43-2	Benzene	25	27.2	109	83-124
75-27-4	Bromodichloromethane	25	24.6	98	76-116
75-25-2	Bromoform	25	24.3	97	68-128
108-90-7	Chlorobenzene	25	25.5	102	87-115
75-00-3	Chloroethane	25	34.3	137	54-166
67-66-3	Chloroform	25	26.6	106	85-123
75-15-0	Carbon disulfide	25	25.3	101	67-147
56-23-5	Carbon tetrachloride	25	25.7	103	74-139
75-34-3	1,1-Dichloroethane	25	28.9	116	82-127
75-35-4	1,1-Dichloroethylene	25	24.0	96	75-133
107-06-2	1,2-Dichloroethane	25	22.8	91	76-122
78-87-5	1,2-Dichloropropane	25	27.4	110	81-120
124-48-1	Dibromochloromethane	25	23.1	92	74-116
156-59-2	cis-1,2-Dichloroethylene	25	27.1	108	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.8	103	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.3	109	82-126
10061-02-6	trans-1,3-Dichloropropene	25	23.1	92	87-123
100-41-4	Ethylbenzene	25	22.3	89	87-118
591-78-6	2-Hexanone	125	128	102	58-125
108-10-1	4-Methyl-2-pentanone	125	128	102	62-125
74-83-9	Methyl bromide	25	30.2	121	55-151
74-87-3	Methyl chloride	25	35.3	141	55-173
75-09-2	Methylene chloride	25	29.6	118	69-125
78-93-3	Methyl ethyl ketone	125	129	103	61-127
100-42-5	Styrene	25	24.1	96	78-118
71-55-6	1,1,1-Trichloroethane	25	26.3	105	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	21.3	85	71-120
79-00-5	1,1,2-Trichloroethane	25	22.3	89	80-114
127-18-4	Tetrachloroethylene	25	26.4	106	80-131
108-88-3	Toluene	25	24.6	98	86-116
79-01-6	Trichloroethylene	25	27.5	110	85-124
75-01-4	Vinyl chloride	25	27.7	111	57-153
1330-20-7	Xylene (total)	75	67.1	89	86-120

Blank Spike Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1063-BS	M0025752.D	1	03/11/08	MM	n/a	n/a	VM1063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F56005-2, F56005-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	86%	76-127%
2037-26-5	Toluene-D8	89%	86-112%
460-00-4	4-Bromofluorobenzene	90%	84-120%

Blank Spike Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1066-BS	M0025778.D	1	03/12/08	MM	n/a	n/a	VM1066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F56005-1, F56005-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	109	87	59-134
71-43-2	Benzene	25	24.6	98	83-124
75-27-4	Bromodichloromethane	25	22.6	90	76-116
75-25-2	Bromoform	25	22.9	92	68-128
108-90-7	Chlorobenzene	25	25.2	101	87-115
75-00-3	Chloroethane	25	27.9	112	54-166
67-66-3	Chloroform	25	23.8	95	85-123
75-15-0	Carbon disulfide	25	23.4	94	67-147
56-23-5	Carbon tetrachloride	25	23.6	94	74-139
75-34-3	1,1-Dichloroethane	25	25.7	103	82-127
75-35-4	1,1-Dichloroethylene	25	22.2	89	75-133
107-06-2	1,2-Dichloroethane	25	21.2	85	76-122
78-87-5	1,2-Dichloropropane	25	24.8	99	81-120
124-48-1	Dibromochloromethane	25	23.1	92	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.9	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	22.5	90	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.4	98	82-126
10061-02-6	trans-1,3-Dichloropropene	25	22.0	88	87-123
100-41-4	Ethylbenzene	25	22.5	90	87-118
591-78-6	2-Hexanone	125	130	104	58-125
108-10-1	4-Methyl-2-pentanone	125	128	102	62-125
74-83-9	Methyl bromide	25	23.8	95	55-151
74-87-3	Methyl chloride	25	24.6	98	55-173
75-09-2	Methylene chloride	25	24.5	98	69-125
78-93-3	Methyl ethyl ketone	125	117	94	61-127
100-42-5	Styrene	25	24.1	96	78-118
71-55-6	1,1,1-Trichloroethane	25	24.1	96	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.1	88	71-120
79-00-5	1,1,2-Trichloroethane	25	22.4	90	80-114
127-18-4	Tetrachloroethylene	25	26.7	107	80-131
108-88-3	Toluene	25	24.9	100	86-116
79-01-6	Trichloroethylene	25	25.6	102	85-124
75-01-4	Vinyl chloride	25	21.2	85	57-153
1330-20-7	Xylene (total)	75	68.0	91	86-120

Blank Spike Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1066-BS	M0025778.D	1	03/12/08	MM	n/a	n/a	VM1066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F56005-1, F56005-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	85%	76-127%
2037-26-5	Toluene-D8	95%	86-112%
460-00-4	4-Bromofluorobenzene	92%	84-120%

Blank Spike Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2191-BS	C054146.D	1	03/14/08	LD	n/a	n/a	VC2191

The QC reported here applies to the following samples: Method: SW846 8260B

F56005-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	124	99	59-134
71-43-2	Benzene	25	24.8	99	83-124
75-27-4	Bromodichloromethane	25	25.0	100	76-116
75-25-2	Bromoform	25	22.8	91	68-128
108-90-7	Chlorobenzene	25	26.4	106	87-115
75-00-3	Chloroethane	25	26.4	106	54-166
67-66-3	Chloroform	25	25.8	103	85-123
75-15-0	Carbon disulfide	25	23.6	94	67-147
56-23-5	Carbon tetrachloride	25	27.0	108	74-139
75-34-3	1,1-Dichloroethane	25	26.1	104	82-127
75-35-4	1,1-Dichloroethylene	25	26.1	104	75-133
107-06-2	1,2-Dichloroethane	25	24.6	98	76-122
78-87-5	1,2-Dichloropropane	25	24.9	100	81-120
124-48-1	Dibromochloromethane	25	23.4	94	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.4	102	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.2	105	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.4	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.7	107	87-123
100-41-4	Ethylbenzene	25	24.7	99	87-118
591-78-6	2-Hexanone	125	113	90	58-125
108-10-1	4-Methyl-2-pentanone	125	124	99	62-125
74-83-9	Methyl bromide	25	25.5	102	55-151
74-87-3	Methyl chloride	25	20.0	80	55-173
75-09-2	Methylene chloride	25	27.2	109	69-125
78-93-3	Methyl ethyl ketone	125	118	94	61-127
100-42-5	Styrene	25	23.6	94	78-118
71-55-6	1,1,1-Trichloroethane	25	27.6	110	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.8	99	71-120
79-00-5	1,1,2-Trichloroethane	25	23.8	95	80-114
127-18-4	Tetrachloroethylene	25	27.0	108	80-131
108-88-3	Toluene	25	25.1	100	86-116
79-01-6	Trichloroethylene	25	25.5	102	85-124
75-01-4	Vinyl chloride	25	23.1	92	57-153
1330-20-7	Xylene (total)	75	73.8	98	86-120

Blank Spike Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2191-BS	C054146.D	1	03/14/08	LD	n/a	n/a	VC2191

The QC reported here applies to the following samples: Method: SW846 8260B

F56005-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56018-1MS	M0025790.D	1	03/12/08	MM	n/a	n/a	VM1066
F56018-1MSD	M0025791.D	1	03/12/08	MM	n/a	n/a	VM1066
F56018-1	M0025788.D	1	03/12/08	MM	n/a	n/a	VM1066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F56005-1, F56005-2

CAS No.	Compound	F56018-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	74.0		125	186	90	186	90	0	59-134/14
71-43-2	Benzene	1.0 U		25	24.9	100	24.1	96	3	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	22.6	90	22.4	90	1	76-116/10
75-25-2	Bromoform	1.0 U		25	23.9	96	23.7	95	1	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	25.7	103	25.1	100	2	87-115/9
75-00-3	Chloroethane	2.0 U		25	24.9	100	25.5	102	2	54-166/20
67-66-3	Chloroform	1.0 U		25	24.5	98	24.0	96	2	85-123/10
75-15-0	Carbon disulfide	0.34	I	25	24.5	97	25.2	99	3	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	23.9	96	23.6	94	1	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	26.5	106	25.6	102	3	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	23.4	94	23.9	96	2	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	21.9	88	21.5	86	2	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25.5	102	24.8	99	3	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	23.5	94	23.2	93	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	24.7	99	24.3	97	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	23.2	93	22.9	92	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	25.0	100	24.3	97	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	22.7	91	22.7	91	0	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	23.0	92	22.2	89	4	87-118/10
591-78-6	2-Hexanone	10 U		125	147	118	144	115	2	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	145	116	141	113	3	62-125/13
74-83-9	Methyl bromide	2.0 U		25	20.4	82	20.2	81	1	55-151/21
74-87-3	Methyl chloride	2.0 U		25	23.5	94	22.3	89	5	55-173/22
75-09-2	Methylene chloride	5.0 U		25	24.2	97	23.9	96	1	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	130	104	125	100	4	61-127/13
100-42-5	Styrene	1.0 U		25	24.3	97	23.7	95	3	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	24.5	98	24.6	98	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.2	93	22.9	92	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.0	92	22.8	91	1	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	27.7	111	26.4	106	5	80-131/12
108-88-3	Toluene	1.0 U		25	25.5	102	24.7	99	3	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	25.3	101	24.7	99	2	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	19.8	79	20.4	82	3	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	69.8	93	68.0	91	3	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56018-1MS	M0025790.D	1	03/12/08	MM	n/a	n/a	VM1066
F56018-1MSD	M0025791.D	1	03/12/08	MM	n/a	n/a	VM1066
F56018-1	M0025788.D	1	03/12/08	MM	n/a	n/a	VM1066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F56005-1, F56005-2

CAS No.	Surrogate Recoveries	MS	MSD	F56018-1	Limits
1868-53-7	Dibromofluoromethane	98%	99%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	87%	89%	83%	76-127%
2037-26-5	Toluene-D8	96%	96%	95%	86-112%
460-00-4	4-Bromofluorobenzene	92%	94%	95%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56116-1MS	C054157.D	100	03/14/08	LD	n/a	n/a	VC2191
F56116-1MSD	C054158.D	100	03/14/08	LD	n/a	n/a	VC2191
F56116-1	C054156.D	100	03/14/08	LD	n/a	n/a	VC2191

The QC reported here applies to the following samples: **Method:** SW846 8260B

F56005-4

CAS No.	Compound	F56116-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		12500	11100	89	10900	87	2	59-134/14
71-43-2	Benzene	2380		2500	4880	100	4820	98	1	83-124/11
75-27-4	Bromodichloromethane	ND		2500	2500	100	2490	100	0	76-116/10
75-25-2	Bromoform	ND		2500	2300	92	2360	94	3	68-128/11
108-90-7	Chlorobenzene	ND		2500	2580	103	2540	102	2	87-115/9
75-00-3	Chloroethane	ND		2500	2050	82	2090	84	2	54-166/20
67-66-3	Chloroform	ND		2500	2730	109	2660	106	3	85-123/10
75-15-0	Carbon disulfide	ND		2500	2020	81	2060	82	2	67-147/12
56-23-5	Carbon tetrachloride	ND		2500	2760	110	2750	110	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		2500	2640	106	2600	104	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		2500	2370	95	2390	96	1	75-133/13
107-06-2	1,2-Dichloroethane	ND		2500	2630	105	2620	105	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		2500	2540	102	2490	100	2	81-120/11
124-48-1	Dibromochloromethane	ND		2500	2390	96	2390	96	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		2500	2480	99	2450	98	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		2500	2650	106	2580	103	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		2500	2610	104	2580	103	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		2500	2750	110	2700	108	2	87-123/10
100-41-4	Ethylbenzene	2600		2500	5220	105	5120	101	2	87-118/10
591-78-6	2-Hexanone	ND		12500	11700	94	11900	95	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		12500	12600	101	12700	102	1	62-125/13
74-83-9	Methyl bromide	ND		2500	1980	79	2000	80	1	55-151/21
74-87-3	Methyl chloride	ND		2500	1490	60	1500	60	1	55-173/22
75-09-2	Methylene chloride	ND		2500	2200	88	2220	89	1	69-125/11
78-93-3	Methyl ethyl ketone	ND		12500	12200	98	12800	102	5	61-127/13
100-42-5	Styrene	ND		2500	2400	96	2370	95	1	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		2500	2740	110	2800	112	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		2500	2370	95	2420	97	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		2500	2420	97	2390	96	1	80-114/11
127-18-4	Tetrachloroethylene	ND		2500	2710	108	2700	108	0	80-131/12
108-88-3	Toluene	203		2500	2700	100	2660	98	1	86-116/10
79-01-6	Trichloroethylene	ND		2500	2600	104	2630	105	1	85-124/10
75-01-4	Vinyl chloride	ND		2500	1770	71	1800	72	2	57-153/22
1330-20-7	Xylene (total)	8510		7500	16000	100	15700	96	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56116-1MS	C054157.D	100	03/14/08	LD	n/a	n/a	VC2191
F56116-1MSD	C054158.D	100	03/14/08	LD	n/a	n/a	VC2191
F56116-1	C054156.D	100	03/14/08	LD	n/a	n/a	VC2191

The QC reported here applies to the following samples: Method: SW846 8260B

F56005-4

CAS No.	Surrogate Recoveries	MS	MSD	F56116-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	107%	76-127%
2037-26-5	Toluene-D8	102%	100%	101%	86-112%
460-00-4	4-Bromofluorobenzene	104%	104%	104%	84-120%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/28/08

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F57042

Sampling Date: 04/21/08

Report to:

Shaw E & I, Inc.
500 E Main St Suite 1630
Norfolk, VA 23510
natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 16

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

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Sample Results **4**
2.1: F57042-1: USTHPFF-MW51 5
Section 3: Misc. Forms 7
3.1: Chain of Custody 8
Section 4: GC/MS Volatiles - QC Data Summaries **10**
4.1: Method Blank Summary 11
4.2: Blank Spike Summary 13
4.3: Matrix Spike/Matrix Spike Duplicate Summary 15

Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F57042

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F57042-1	04/21/08	14:30	MM	04/22/08	AQ	Ground Water	USTHPFF-MW51

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFF-MW51		
Lab Sample ID:	F57042-1	**Date Sampled:**	04/21/08
Matrix:	AQ - Ground Water	**Date Received:**	04/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J037728.D	1	04/24/08	KW	n/a	n/a	VJ2442
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	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	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:	USTHPFF-MW51		
Lab Sample ID:	F57042-1	**Date Sampled:**	04/21/08
Matrix:	AQ - Ground Water	**Date Received:**	04/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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:

- Certification Exceptions
- Chain of Custody

COC Number:
125709-HPFF042108

CHAIN-OF-CUSTODY RECORD

F57042

Shaw
Shaw Environmental & Infrastructure, Inc.

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC

Project Number	Contact	PO Number
125709	Mark Martin	282002

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260
(1)	USTHPFF-MW51	4/21/08	14:30		X	USTHPFF-MW51	3	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 8639 0322 2044	4/21/08	17:00	48 Hr TAT
2		FX	J. Parker	4-22-08	09:30	1.8
3						

F57042: Chain of Custody
Page 1 of 2

ACCUTEST
F57042

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F57042 CLIENT: SHAW E+I PROJECT: CAMP LEJEUNE-HPFF

DATE/TIME RECEIVED: 4-22-08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8639 0322 2044

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
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [ ] 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 ? _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE JC 4-22-08 TECHNICIAN SIGNATURE/DATE _____

ASBD 12/17/07

F57042: 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: F57042
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2442-MB	J037721.D	1	04/24/08	KW	n/a	n/a	VJ2442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F57042-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F57042
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2442-MB	J037721.D	1	04/24/08	KW	n/a	n/a	VJ2442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F57042-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Blank Spike Summary

Job Number: F57042
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2442-BS	J037720.D	1	04/24/08	KW	n/a	n/a	VJ2442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F57042-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	122	98	59-134
71-43-2	Benzene	25	27.6	110	83-124
75-27-4	Bromodichloromethane	25	25.6	102	76-116
75-25-2	Bromoform	25	26.7	107	68-128
108-90-7	Chlorobenzene	25	27.0	108	87-115
75-00-3	Chloroethane	25	24.9	100	54-166
67-66-3	Chloroform	25	28.5	114	85-123
75-15-0	Carbon disulfide	25	19.5	78	67-147
56-23-5	Carbon tetrachloride	25	30.8	123	74-139
75-34-3	1,1-Dichloroethane	25	26.7	107	82-127
75-35-4	1,1-Dichloroethylene	25	24.4	98	75-133
107-06-2	1,2-Dichloroethane	25	24.8	99	76-122
78-87-5	1,2-Dichloropropane	25	24.4	98	81-120
124-48-1	Dibromochloromethane	25	27.8	111	74-116
156-59-2	cis-1,2-Dichloroethylene	25	27.9	112	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.2	109	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.9	112	87-123
100-41-4	Ethylbenzene	25	27.7	111	87-118
591-78-6	2-Hexanone	125	131	105	58-125
108-10-1	4-Methyl-2-pentanone	125	116	93	62-125
74-83-9	Methyl bromide	25	24.7	99	55-151
74-87-3	Methyl chloride	25	26.2	105	55-173
75-09-2	Methylene chloride	25	22.5	90	69-125
78-93-3	Methyl ethyl ketone	125	122	98	61-127
100-42-5	Styrene	25	25.9	104	78-118
71-55-6	1,1,1-Trichloroethane	25	30.4	122	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.8	95	71-120
79-00-5	1,1,2-Trichloroethane	25	25.5	102	80-114
127-18-4	Tetrachloroethylene	25	29.7	119	80-131
108-88-3	Toluene	25	28.8	115	86-116
79-01-6	Trichloroethylene	25	27.4	110	85-124
75-01-4	Vinyl chloride	25	25.5	102	57-153
1330-20-7	Xylene (total)	75	87.7	117	86-120

Blank Spike Summary

Job Number: F57042
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2442-BS	J037720.D	1	04/24/08	KW	n/a	n/a	VJ2442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F57042-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F57042
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F57042-1MS	J037736.D	1	04/24/08	KW	n/a	n/a	VJ2442
F57042-1MSD	J037737.D	1	04/24/08	KW	n/a	n/a	VJ2442
F57042-1	J037728.D	1	04/24/08	KW	n/a	n/a	VJ2442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F57042-1

CAS No.	Compound	F57042-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	70.7	57*	67.9	54*	4	59-134/14
71-43-2	Benzene	ND		25	25.1	100	25.1	100	0	83-124/11
75-27-4	Bromodichloromethane	ND		25	22.6	90	22.5	90	0	76-116/10
75-25-2	Bromoform	ND		25	21.4	86	21.8	87	2	68-128/11
108-90-7	Chlorobenzene	ND		25	24.8	99	24.8	99	0	87-115/9
75-00-3	Chloroethane	ND		25	28.9	116	30.5	122	5	54-166/20
67-66-3	Chloroform	ND		25	25.3	101	25.1	100	1	85-123/10
75-15-0	Carbon disulfide	ND		25	24.9	100	23.2	93	7	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.8	103	24.8	99	4	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	26.0	104	25.9	104	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	28.2	113	26.9	108	5	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	24.3	97	23.7	95	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.6	98	24.6	98	0	81-120/11
124-48-1	Dibromochloromethane	ND		25	21.9	88	22.2	89	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	23.9	96	23.9	96	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.1	92	23.2	93	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.5	106	26.0	104	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.4	98	24.8	99	2	87-123/10
100-41-4	Ethylbenzene	ND		25	25.4	102	25.3	101	0	87-118/10
591-78-6	2-Hexanone	ND		125	107	86	106	85	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	115	92	114	91	1	62-125/13
74-83-9	Methyl bromide	ND		25	30.2	121	29.9	120	1	55-151/21
74-87-3	Methyl chloride	ND		25	30.7	123	30.4	122	1	55-173/22
75-09-2	Methylene chloride	ND		25	22.7	91	22.7	91	0	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	101	81	96.4	77	5	61-127/13
100-42-5	Styrene	ND		25	22.3	89	22.0	88	1	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	25.5	102	25.6	102	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	21.4	86	21.4	86	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	21.9	88	22.1	88	1	80-114/11
127-18-4	Tetrachloroethylene	ND		25	24.4	98	24.7	99	1	80-131/12
108-88-3	Toluene	ND		25	24.7	99	24.9	100	1	86-116/10
79-01-6	Trichloroethylene	ND		25	24.6	98	23.9	96	3	85-124/10
75-01-4	Vinyl chloride	ND		25	30.2	121	29.5	118	2	57-153/22
1330-20-7	Xylene (total)	ND		75	76.6	102	76.8	102	0	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F57042
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F57042-1MS	J037736.D	1	04/24/08	KW	n/a	n/a	VJ2442
F57042-1MSD	J037737.D	1	04/24/08	KW	n/a	n/a	VJ2442
F57042-1	J037728.D	1	04/24/08	KW	n/a	n/a	VJ2442

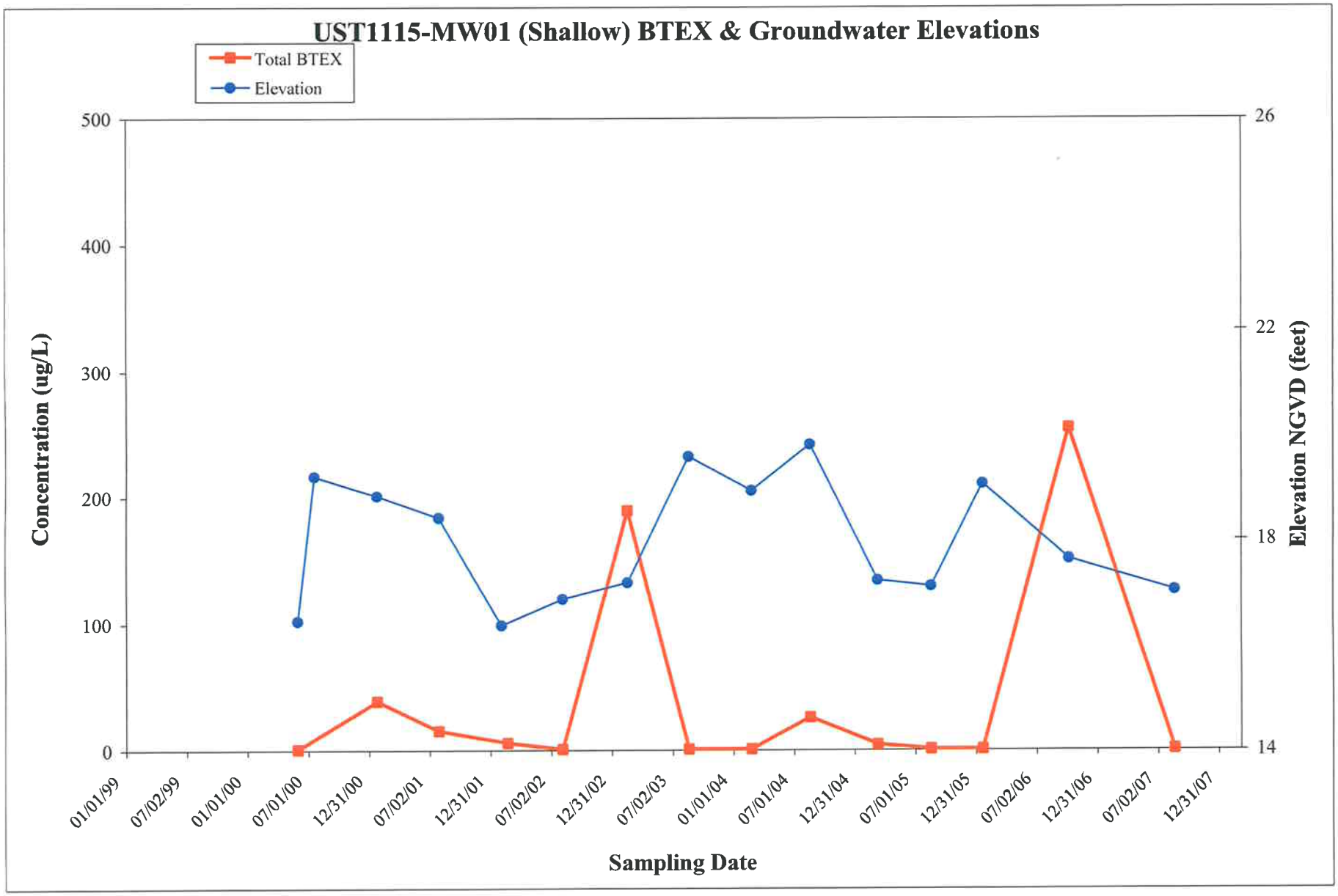
The QC reported here applies to the following samples: **Method:** SW846 8260B

F57042-1

CAS No.	Surrogate Recoveries	MS	MSD	F57042-1	Limits
1868-53-7	Dibromofluoromethane	102%	101%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	102%	98%	76-127%
2037-26-5	Toluene-D8	96%	98%	98%	86-112%
460-00-4	4-Bromofluorobenzene	95%	97%	101%	84-120%

APPENDIX F

HYDROGRAPHS WITH GROUNDWATER ANALYTICAL RESULTS


UST1115-MW01 (Shallow) BTEX & Groundwater Elevations
Total BTEX
Elevation
Concentration (ug/L)
Elevation NGVD (feet)
Sampling Date
500
400
300
200
100
0
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
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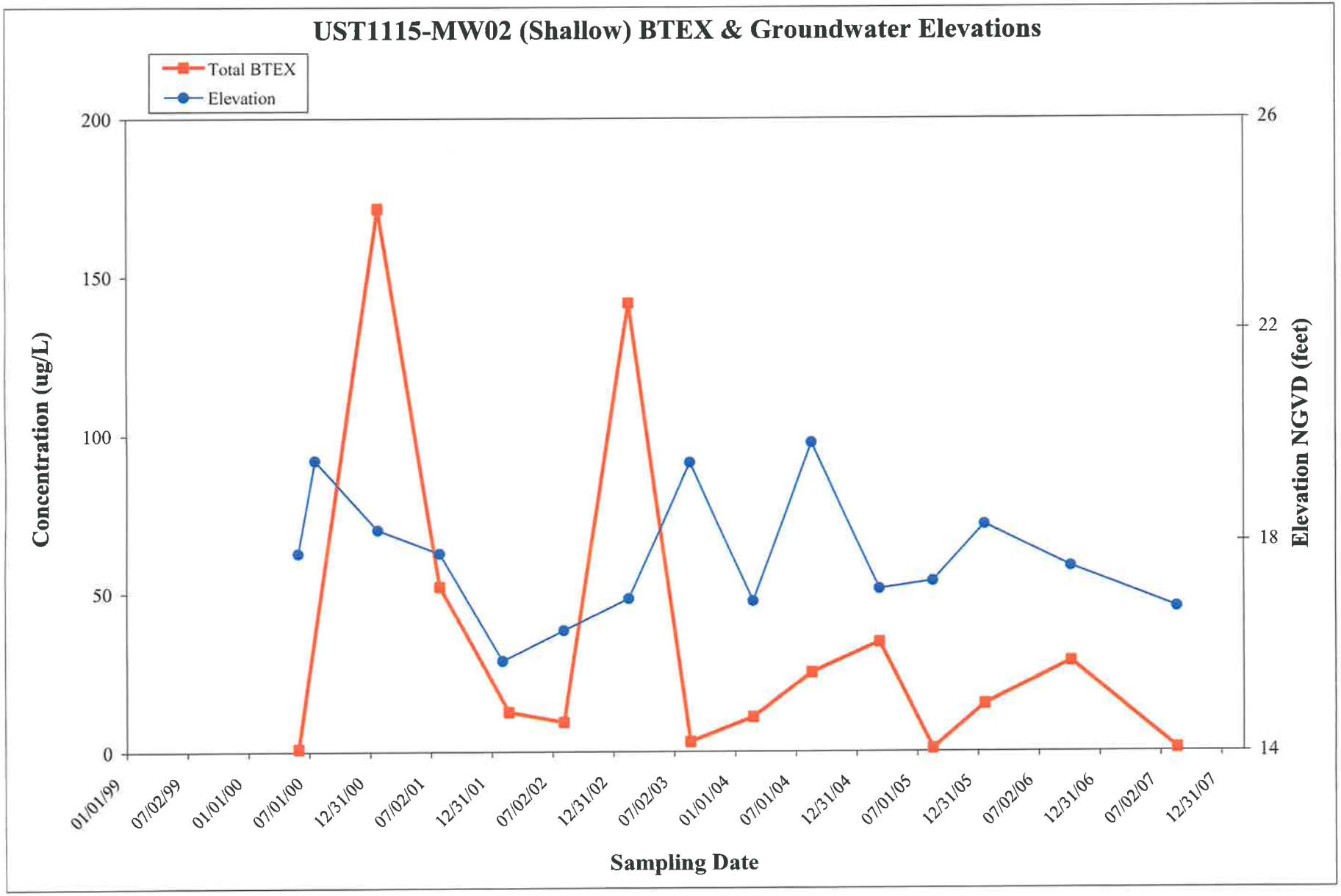
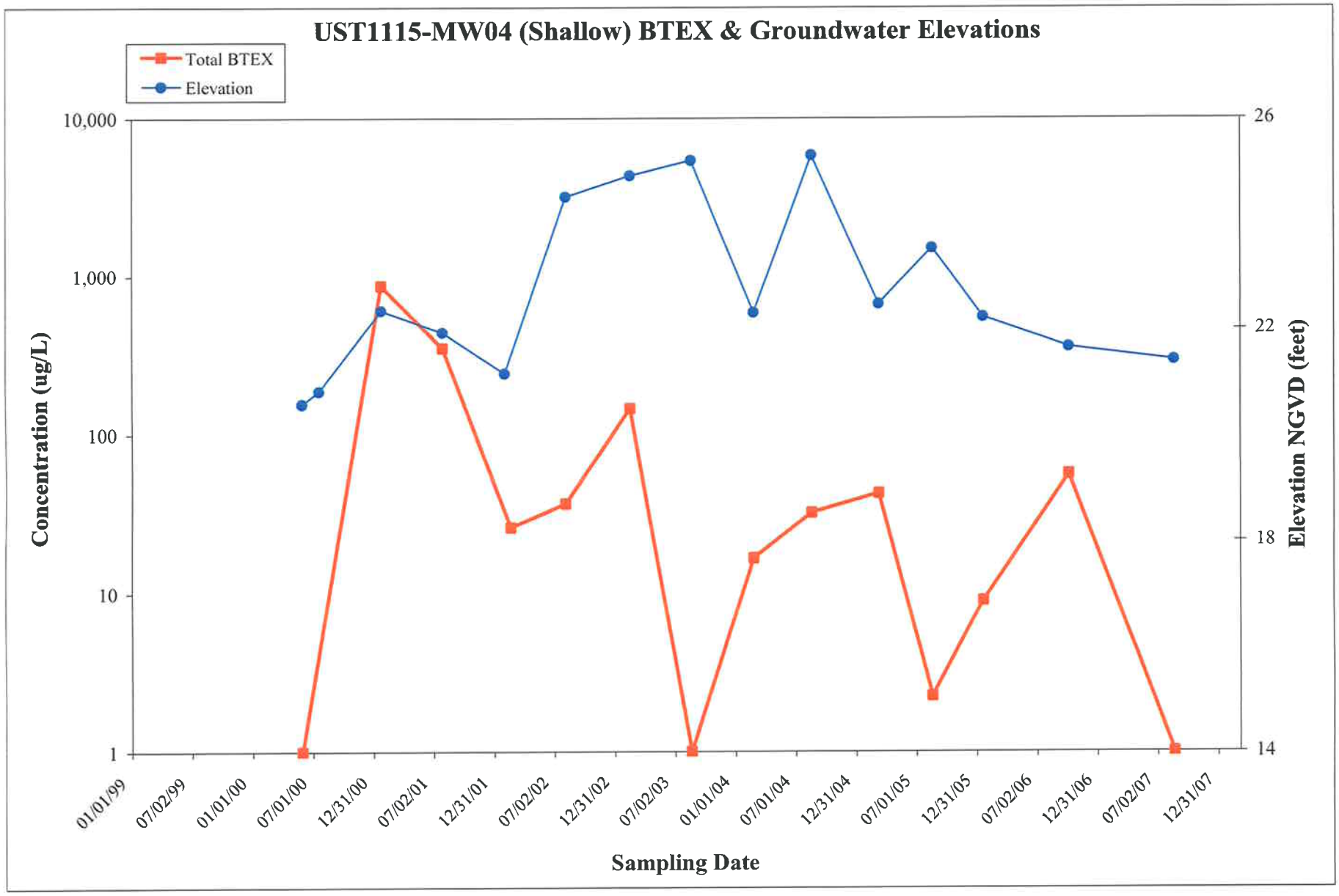
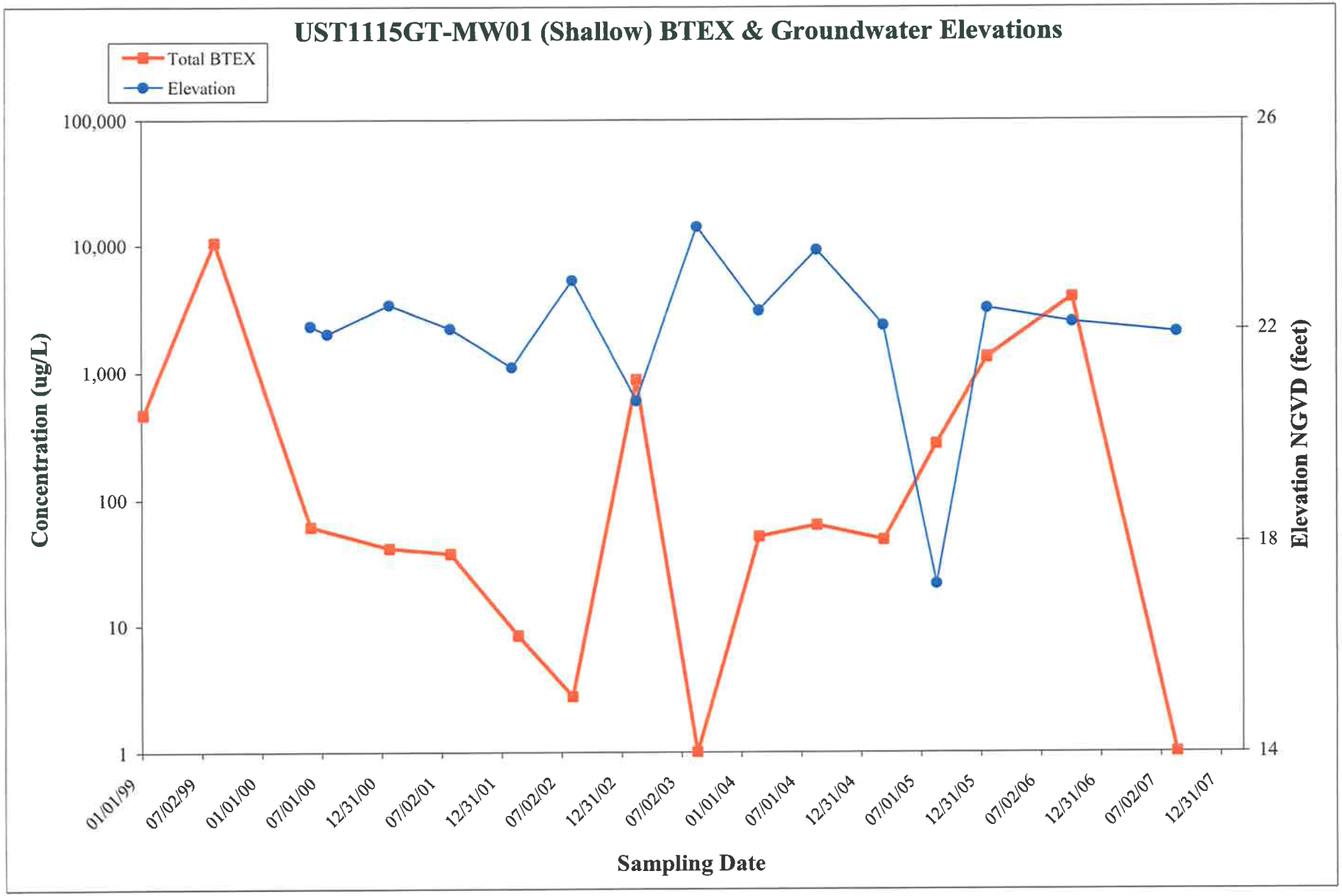
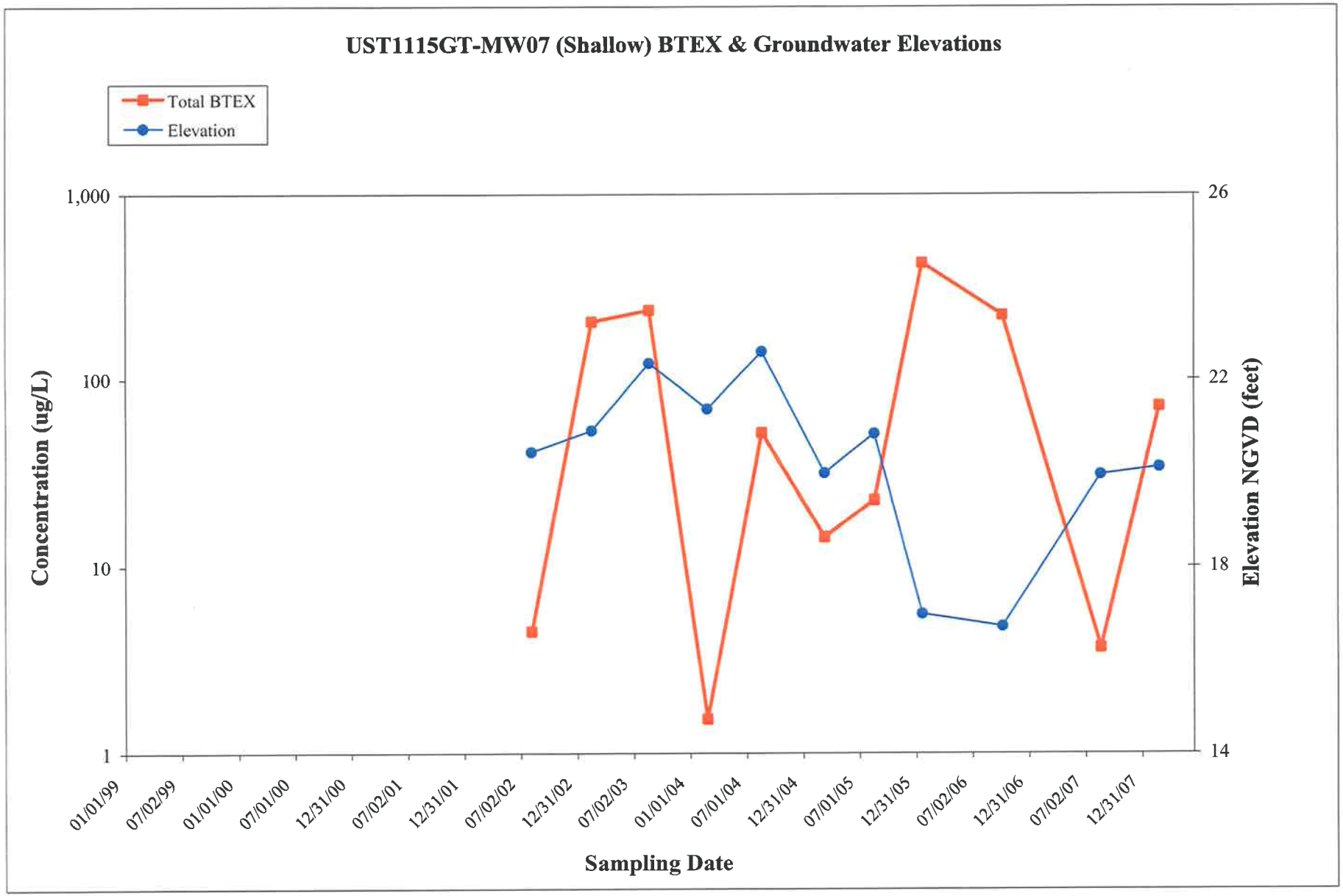
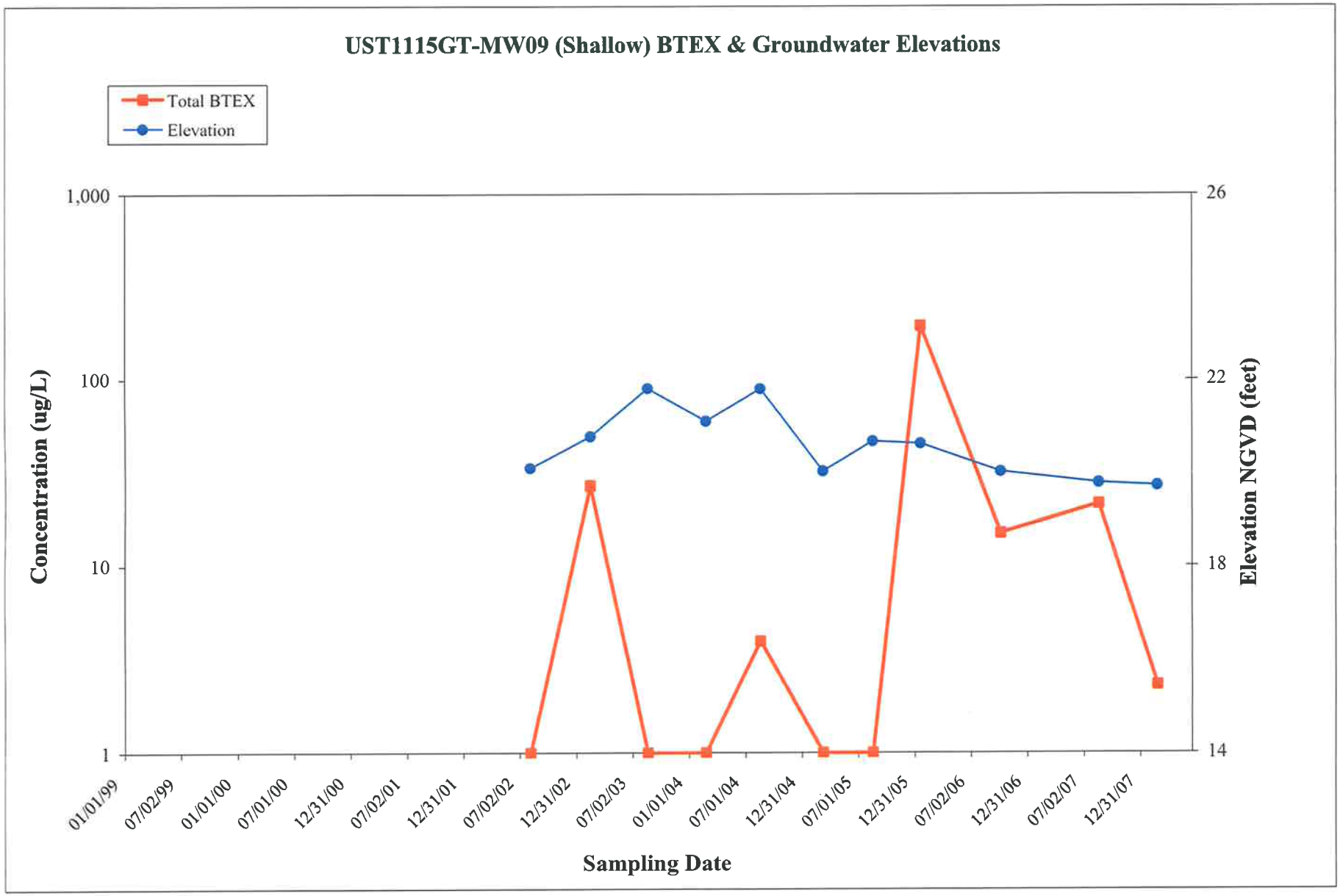
07/02/07
12/31/07

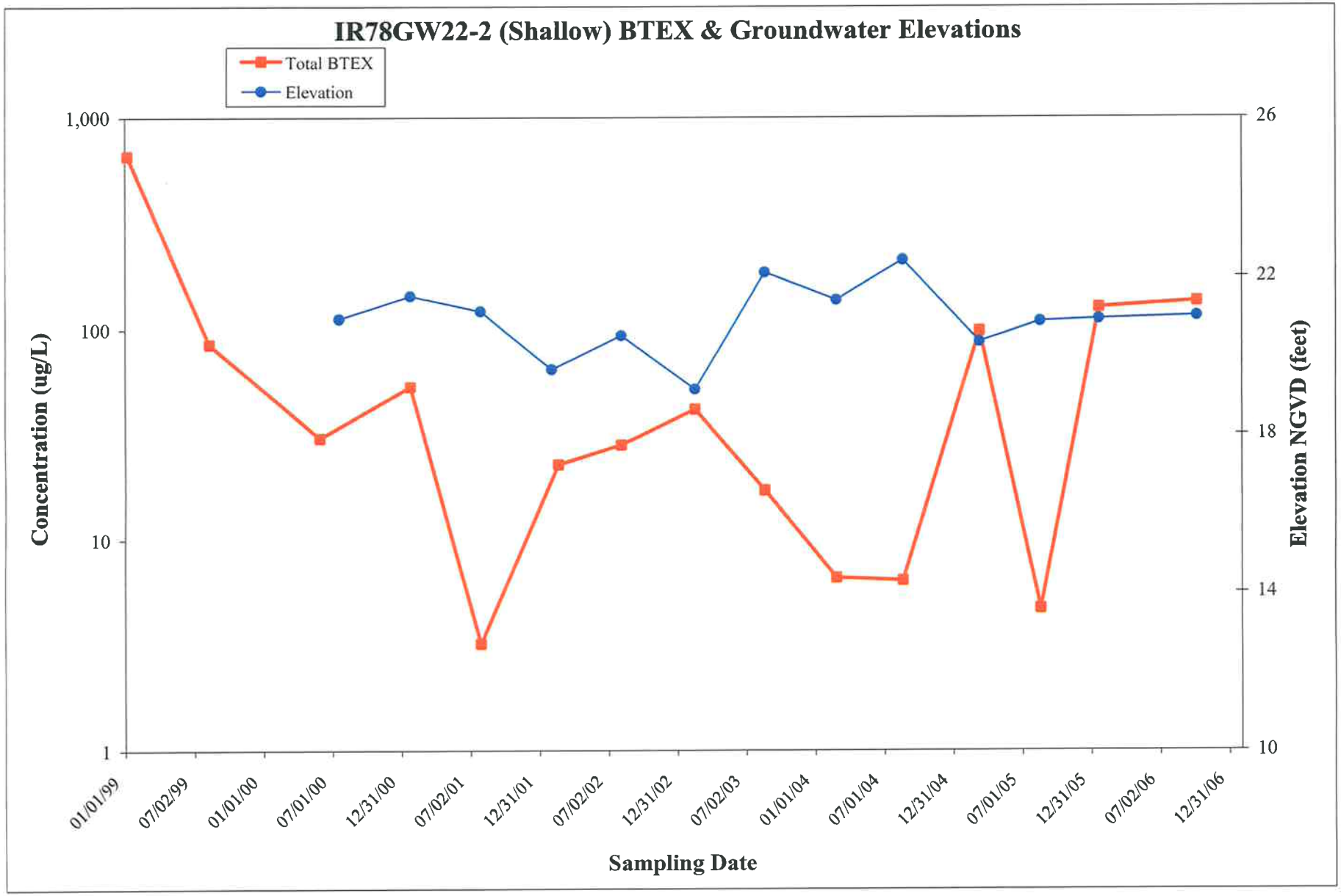

UST1115-MW02 (Shallow) BTEX & Groundwater Elevations
Total BTEX
Elevation
Concentration (ug/L)
Elevation NGVD (feet)
Sampling Date
200
150
100
50
0
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07

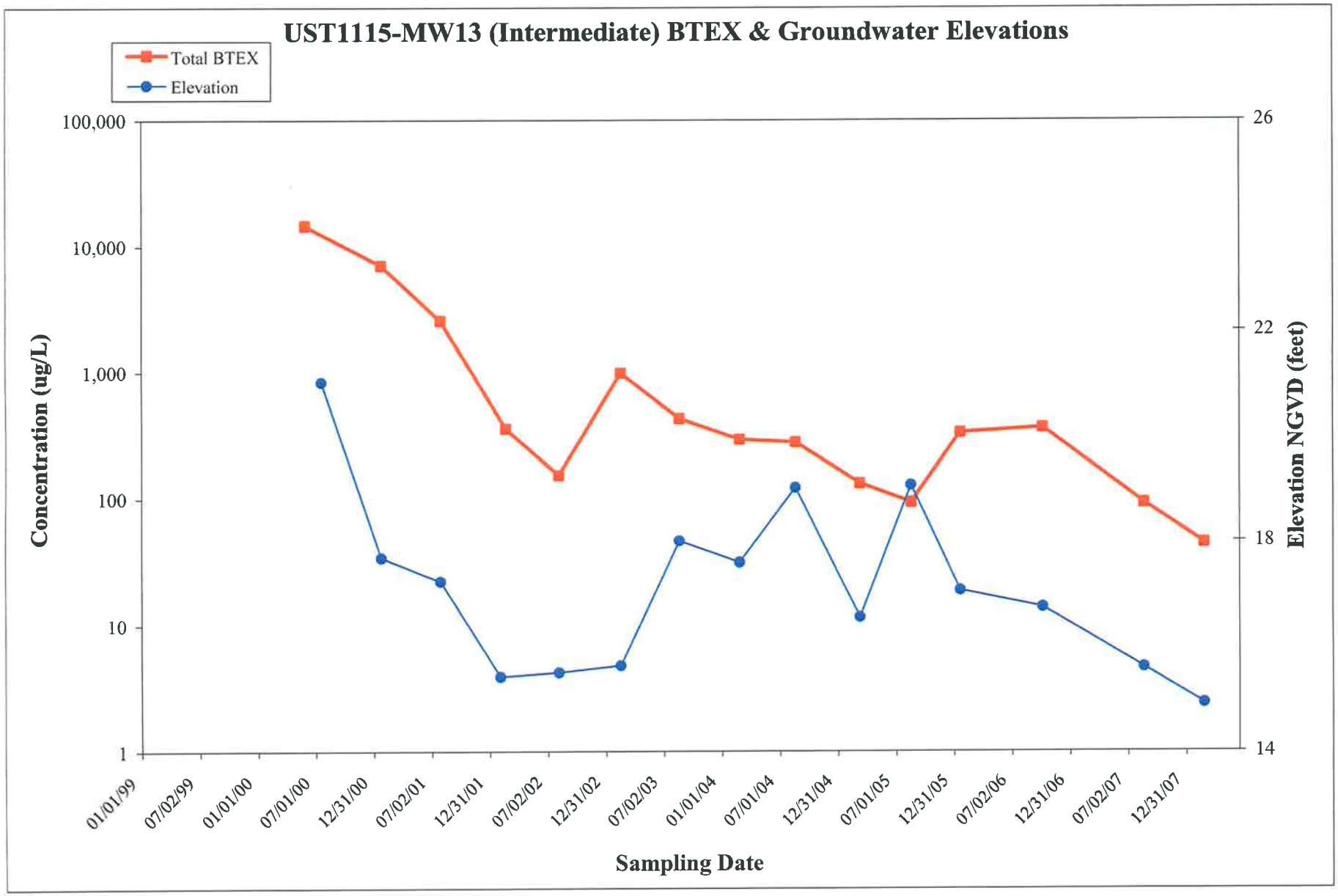

UST1115-MW04 (Shallow) BTEX & Groundwater Elevations
Total BTEX
Elevation
10,000
1,000
100
10
1
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

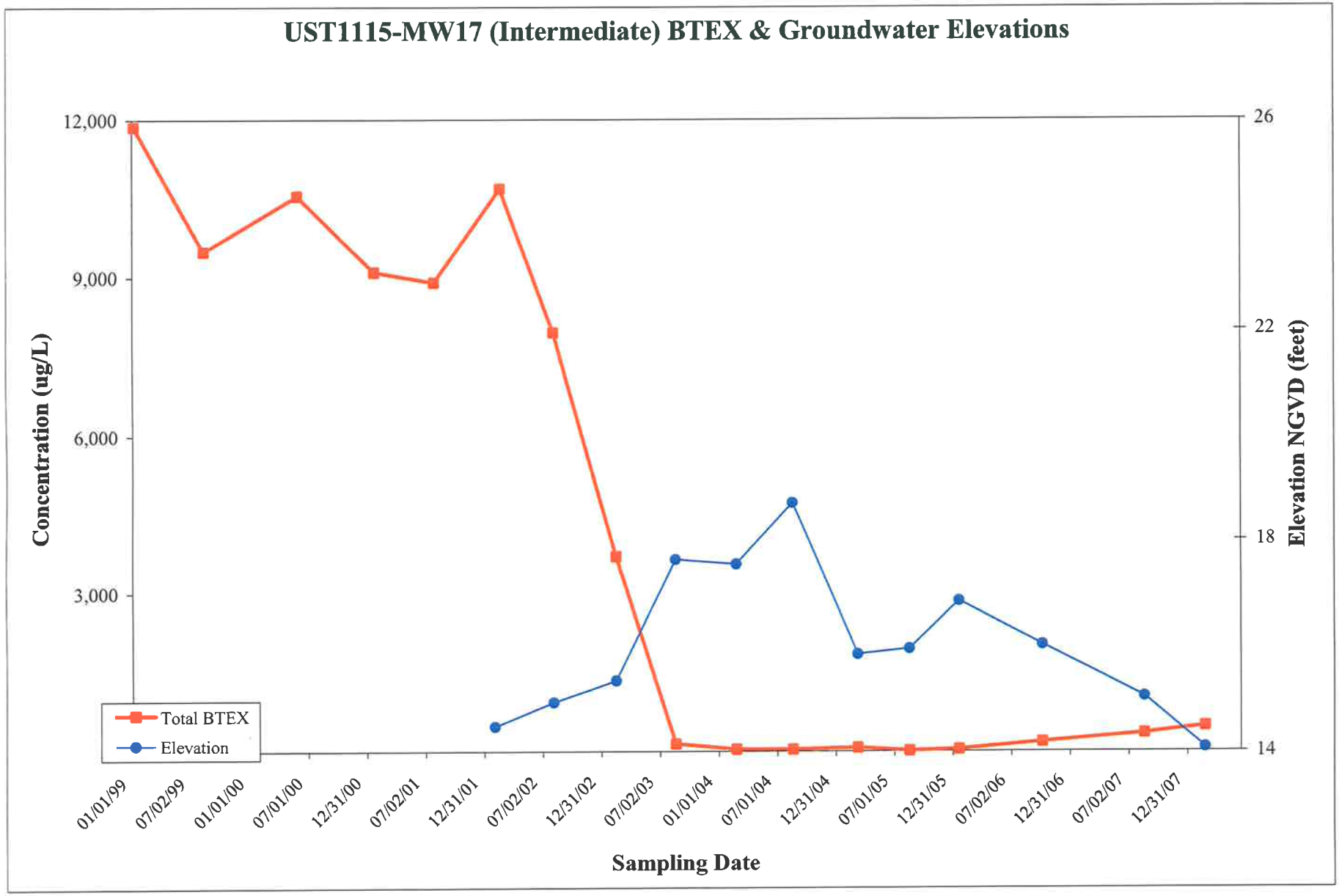

UST1115GT-MW01 (Shallow) BTEX & Groundwater Elevations
Total BTEX
Elevation
Concentration (ug/L)
100,000
10,000
1,000
100
10
1
Elevation NGVD (feet)
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

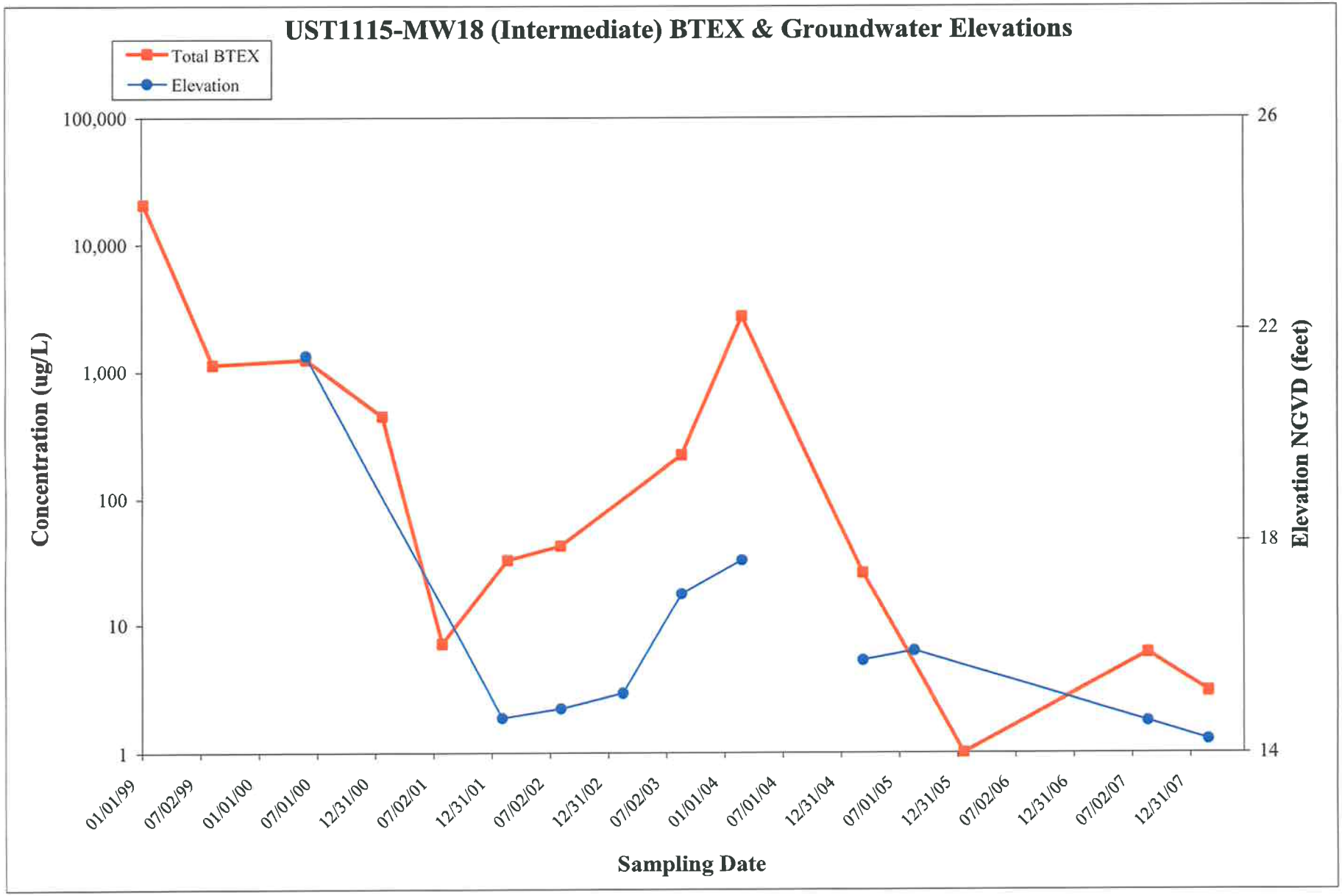

UST1115GT-MW07 (Shallow) BTEX & Groundwater Elevations
Total BTEX
Elevation
1,000
100
10
1
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

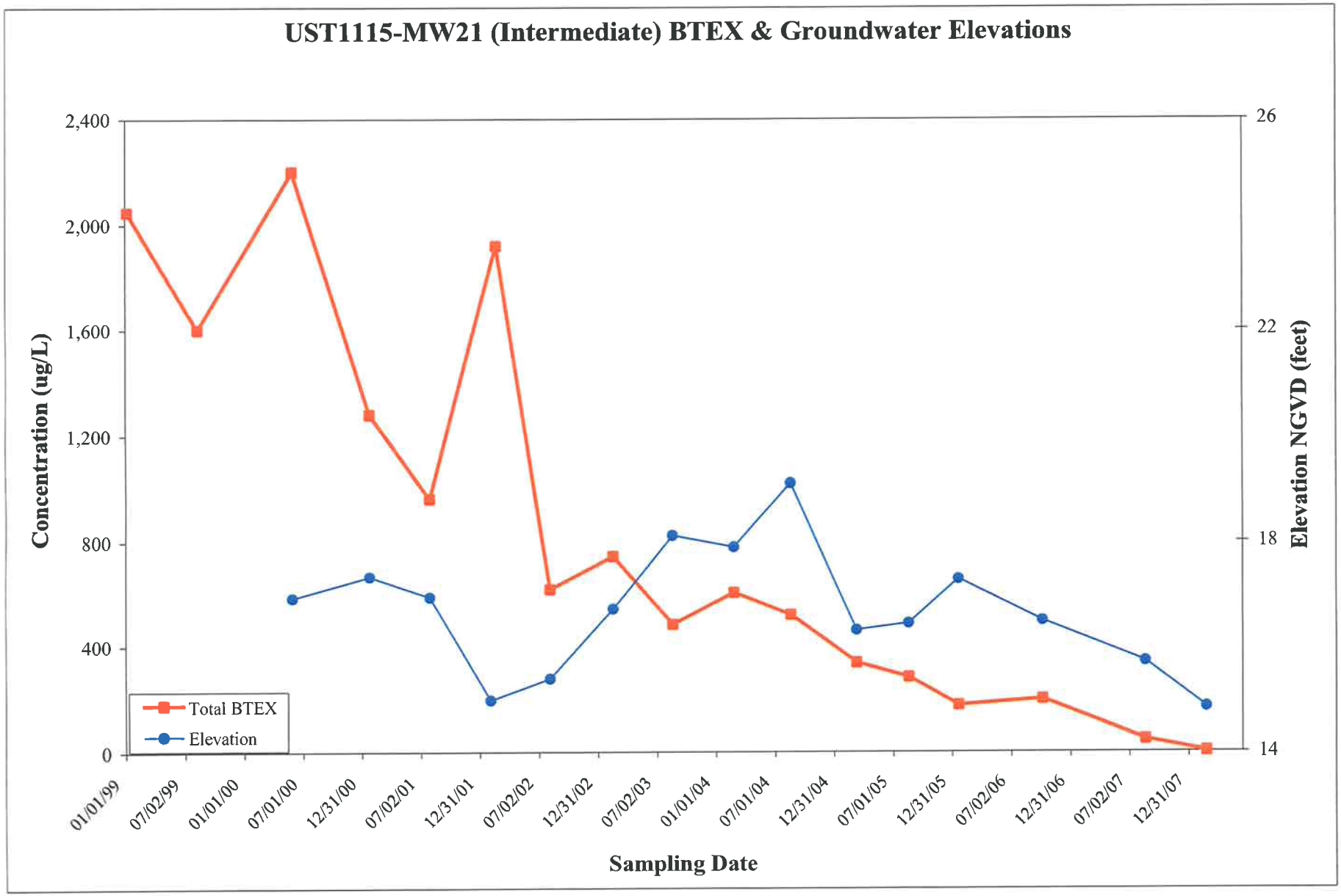

UST1115GT-MW09 (Shallow) BTEX & Groundwater Elevations
Total BTEX
Elevation
1,000
100
10
1
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

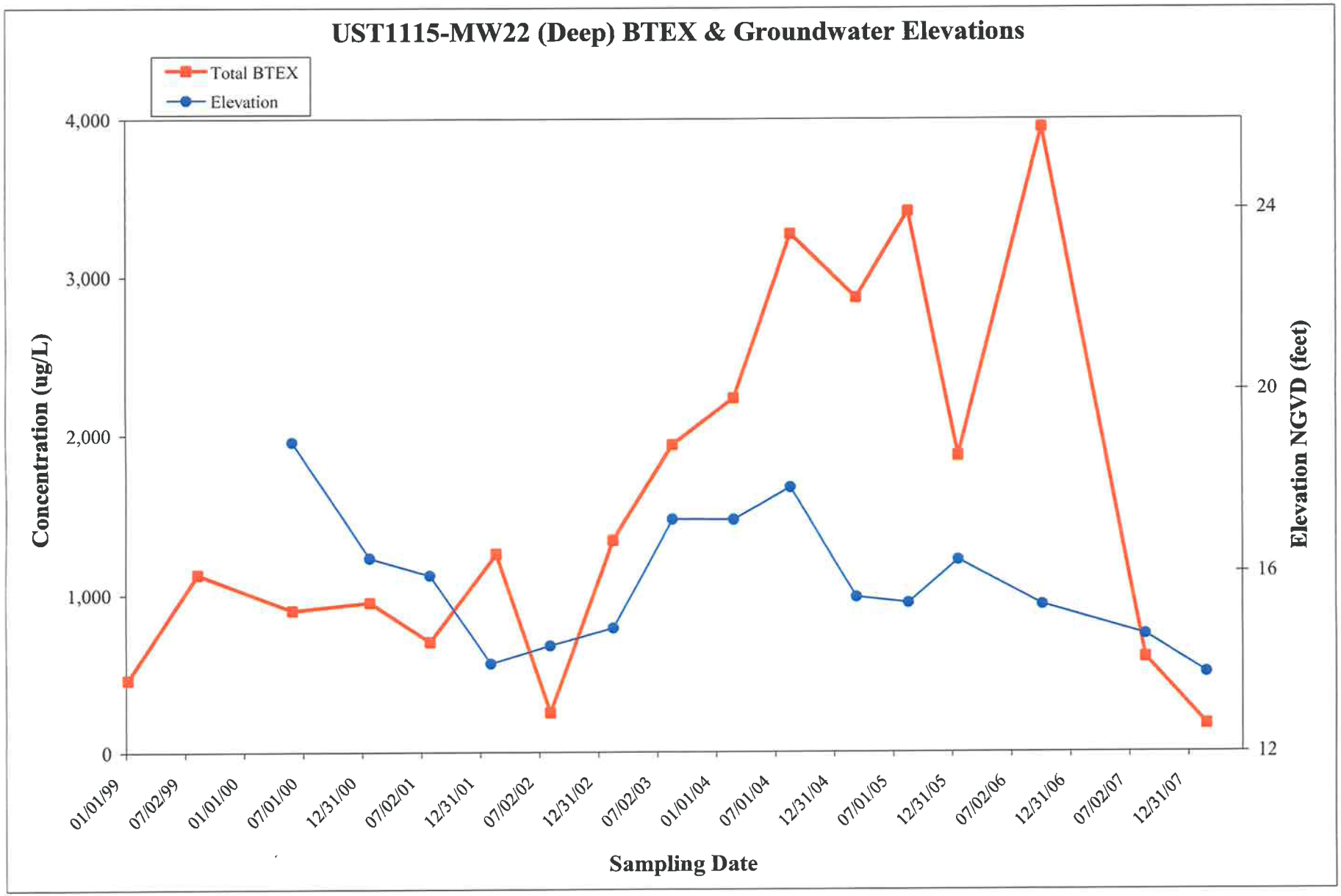

IR78GW22-2 (Shallow) BTEX & Groundwater Elevations
Total BTEX
Elevation
1,000
100
10
1
Concentration (ug/L)
26
22
18
14
10
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
Sampling Date

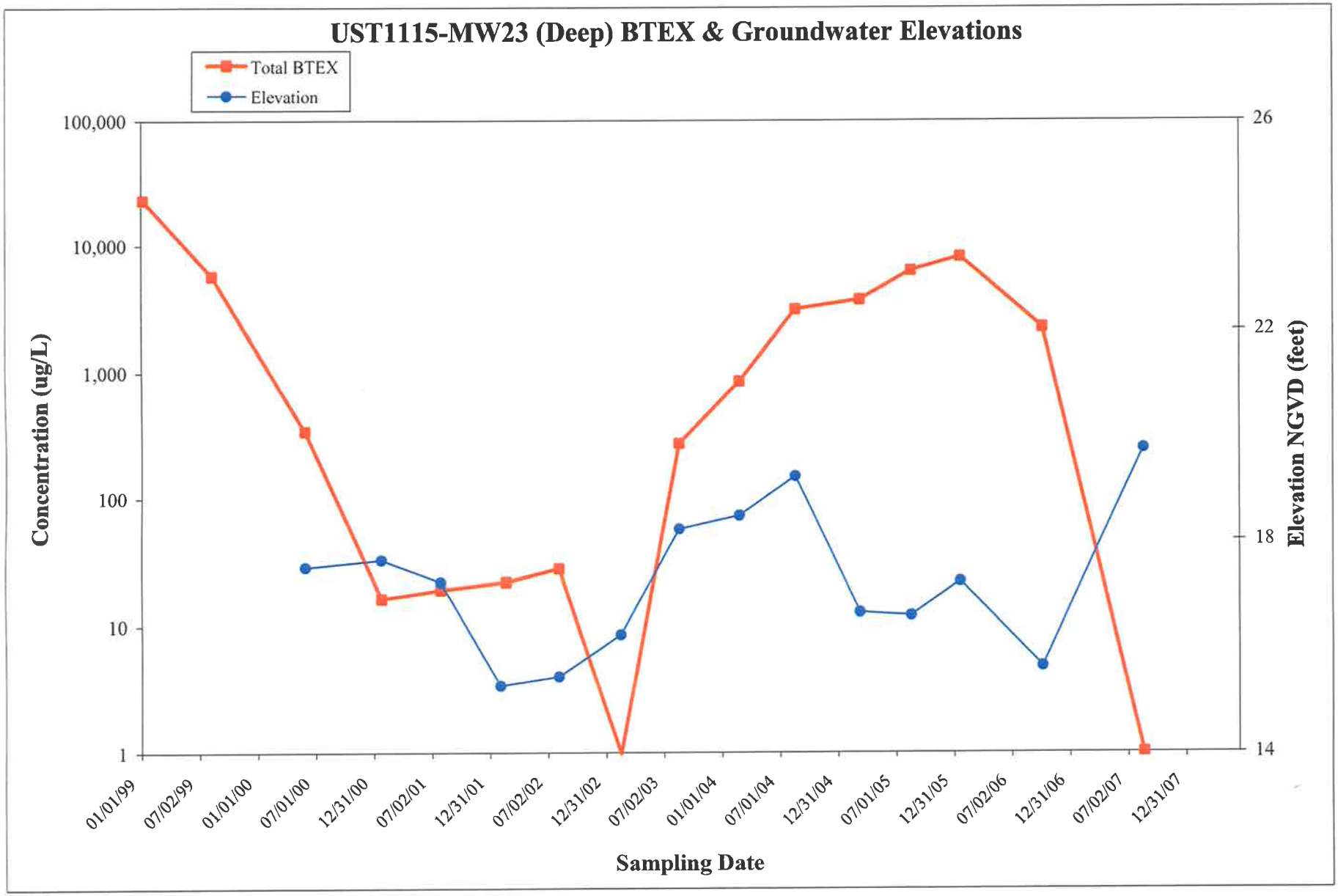

UST1115-MW13 (Intermediate) BTEX & Groundwater Elevations
Total BTEX
Elevation
Concentration (ug/L)
100,000
10,000
1,000
100
10
1
Elevation NGVD (feet)
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

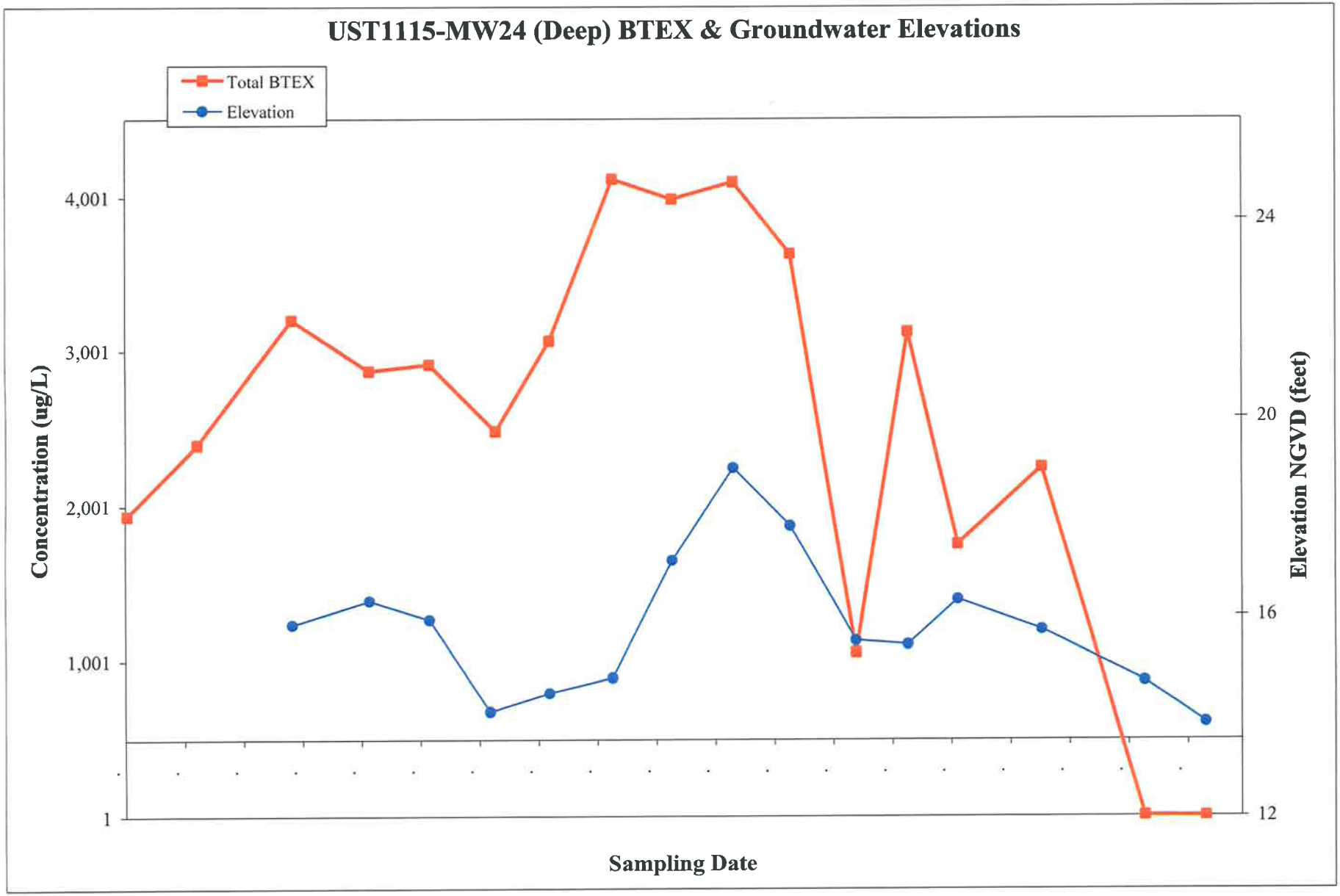

UST1115-MW17 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
12,000
9,000
6,000
3,000
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

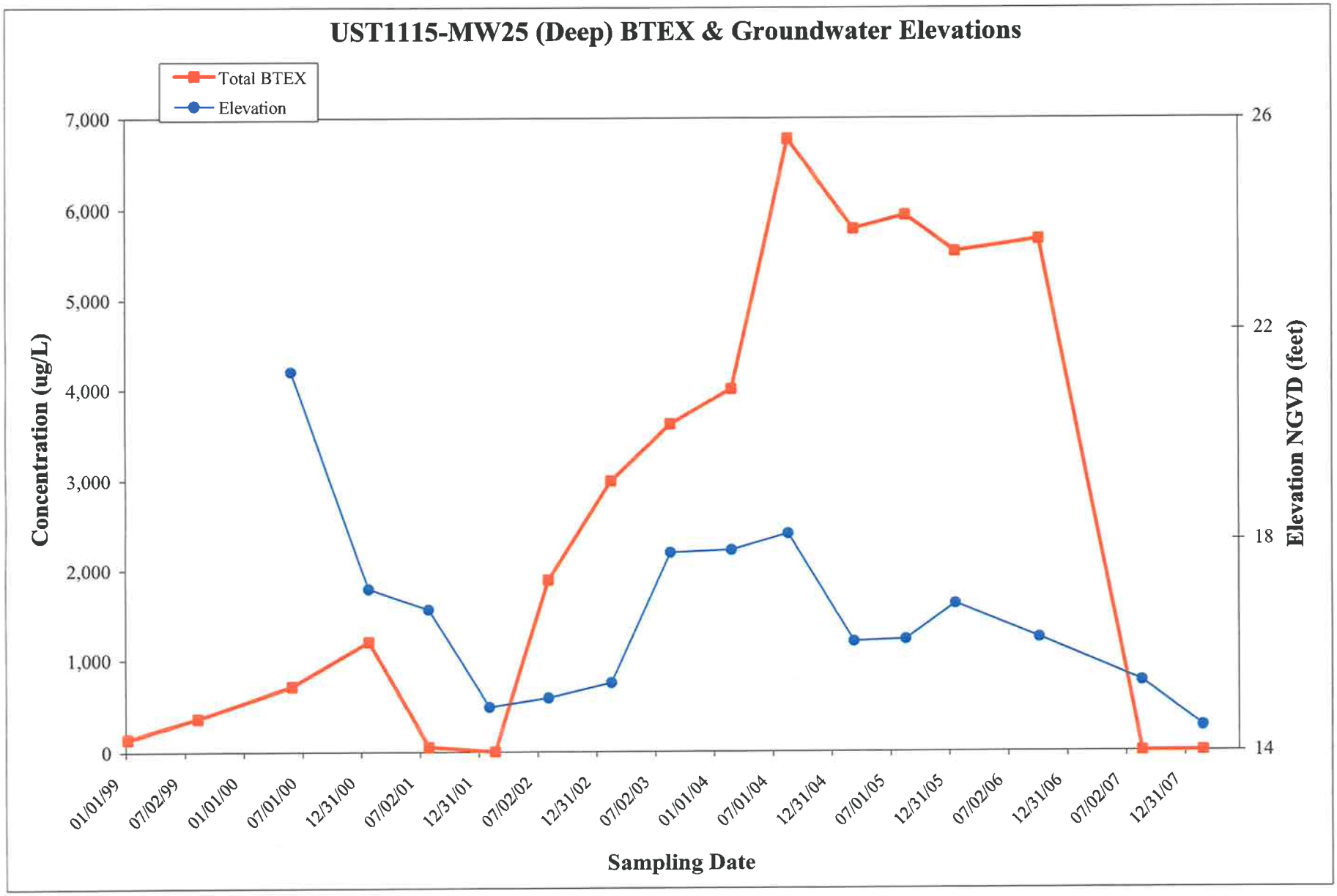

UST1115-MW18 (Intermediate) BTEX & Groundwater Elevations
Total BTEX
Elevation
100,000
10,000
1,000
100
10
1
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

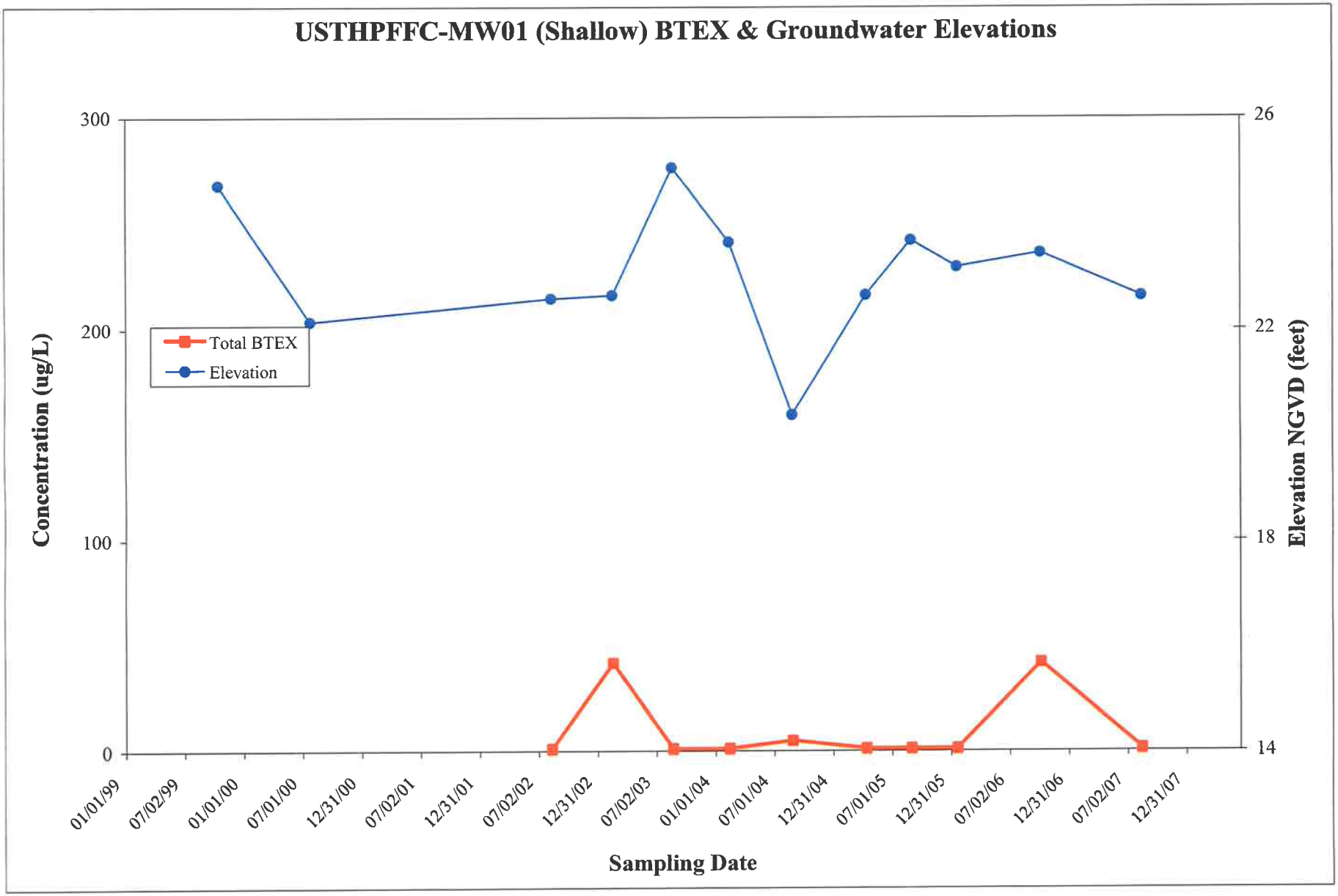

UST1115-MW21 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
2,400
2,000
1,600
1,200
800
400
0
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

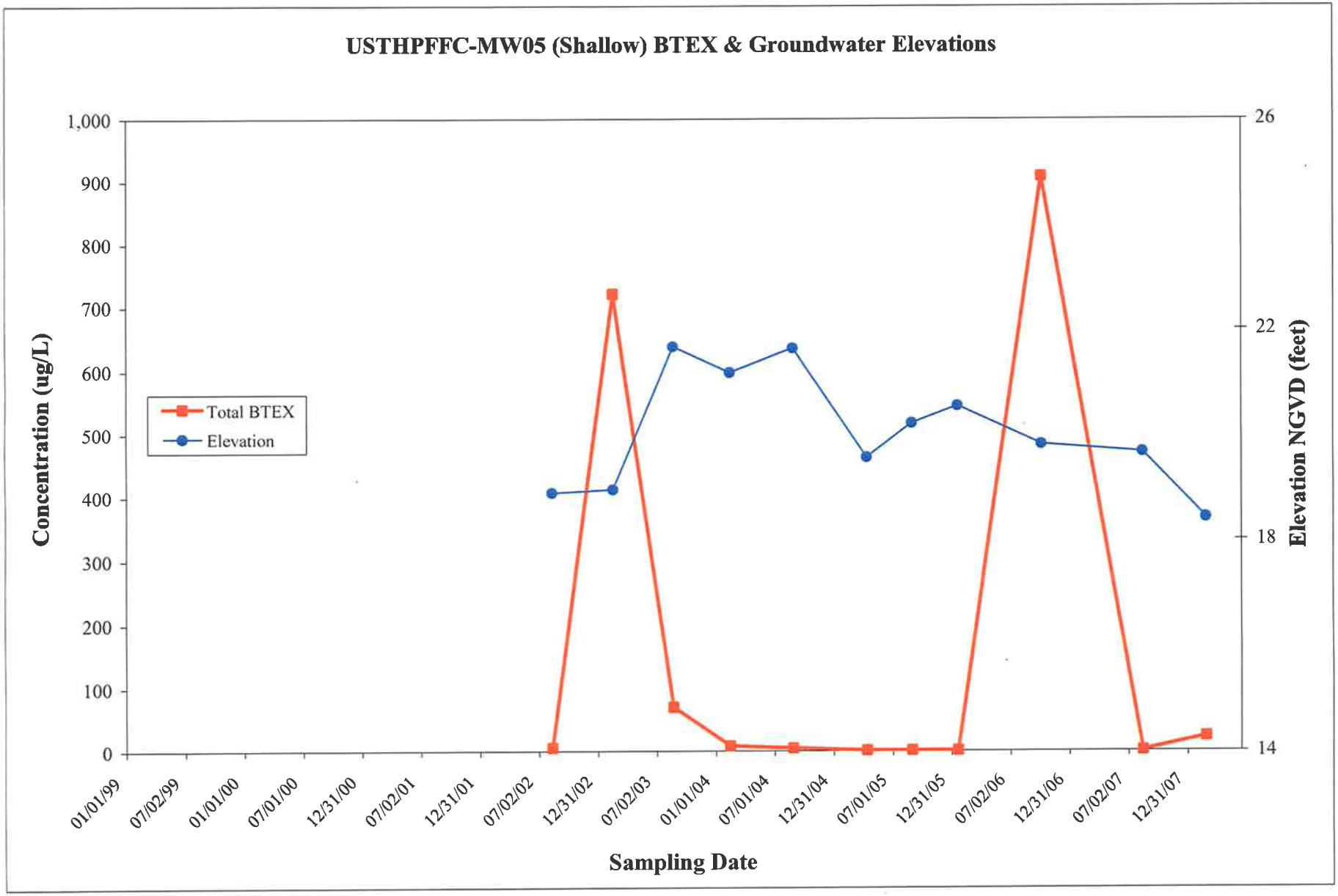

UST1115-MW22 (Deep) BTEX & Groundwater Elevations
Total BTEX
Elevation
Concentration (ug/L)
Elevation NGVD (feet)
4,000
3,000
2,000
1,000
0
24
20
16
12
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

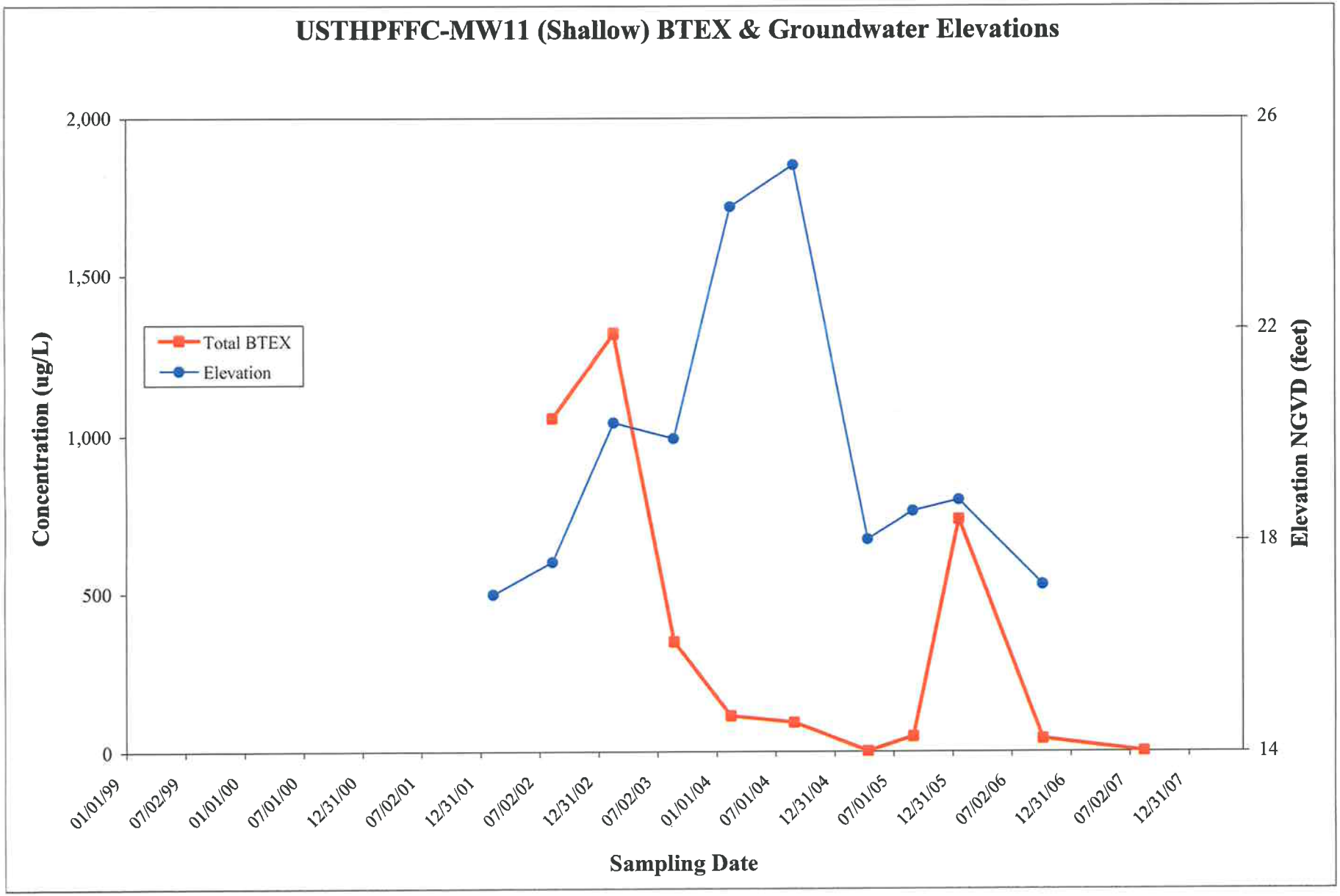

UST1115-MW23 (Deep) BTEX & Groundwater Elevations
Total BTEX
Elevation
100,000
10,000
1,000
100
10
1
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

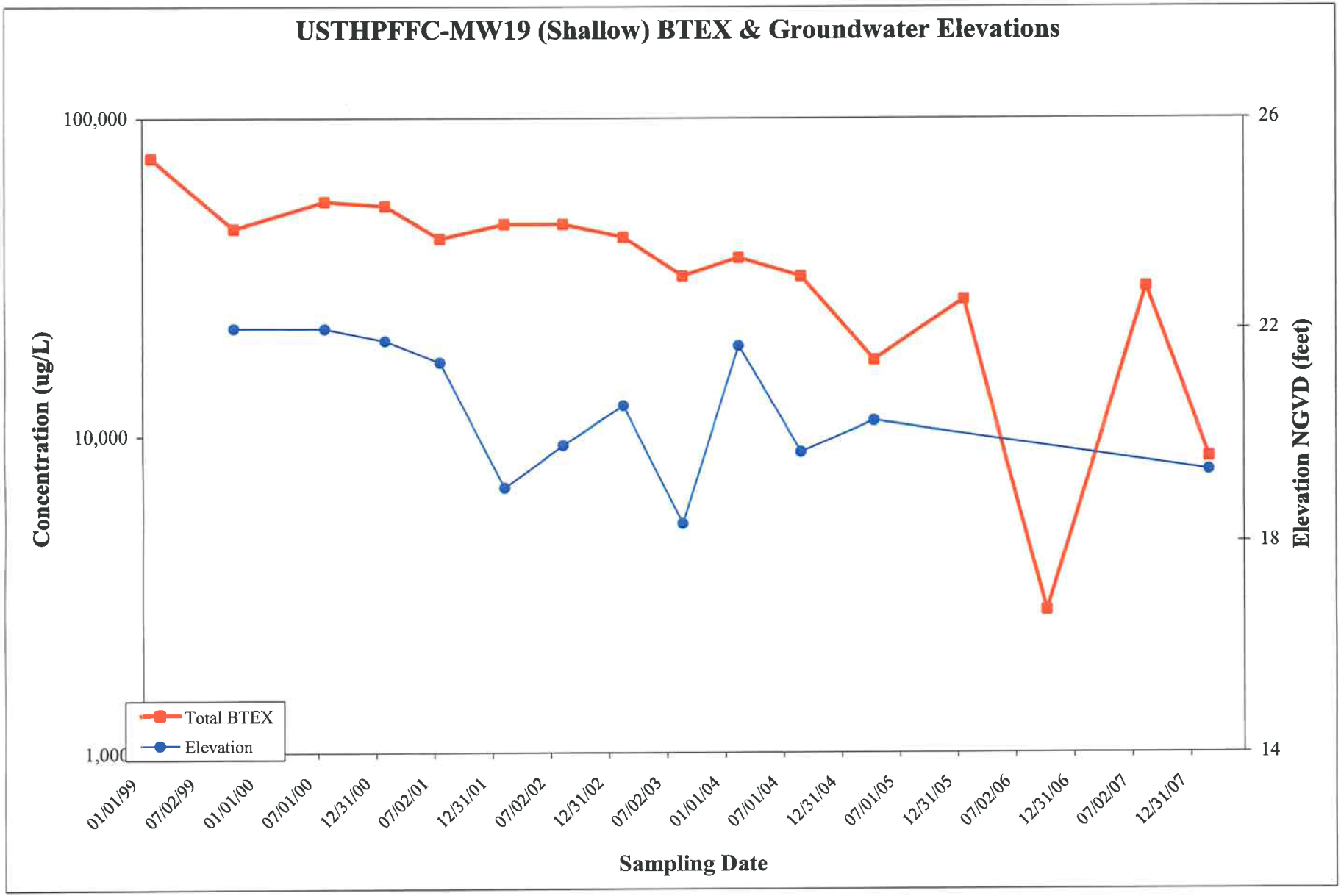

UST1115-MW24 (Deep) BTEX & Groundwater Elevations
Total BTEX
Elevation
Concentration (ug/L)
4,001
3,001
2,001
1,001
1
Elevation NGVD (feet)
24
20
16
12
Sampling Date

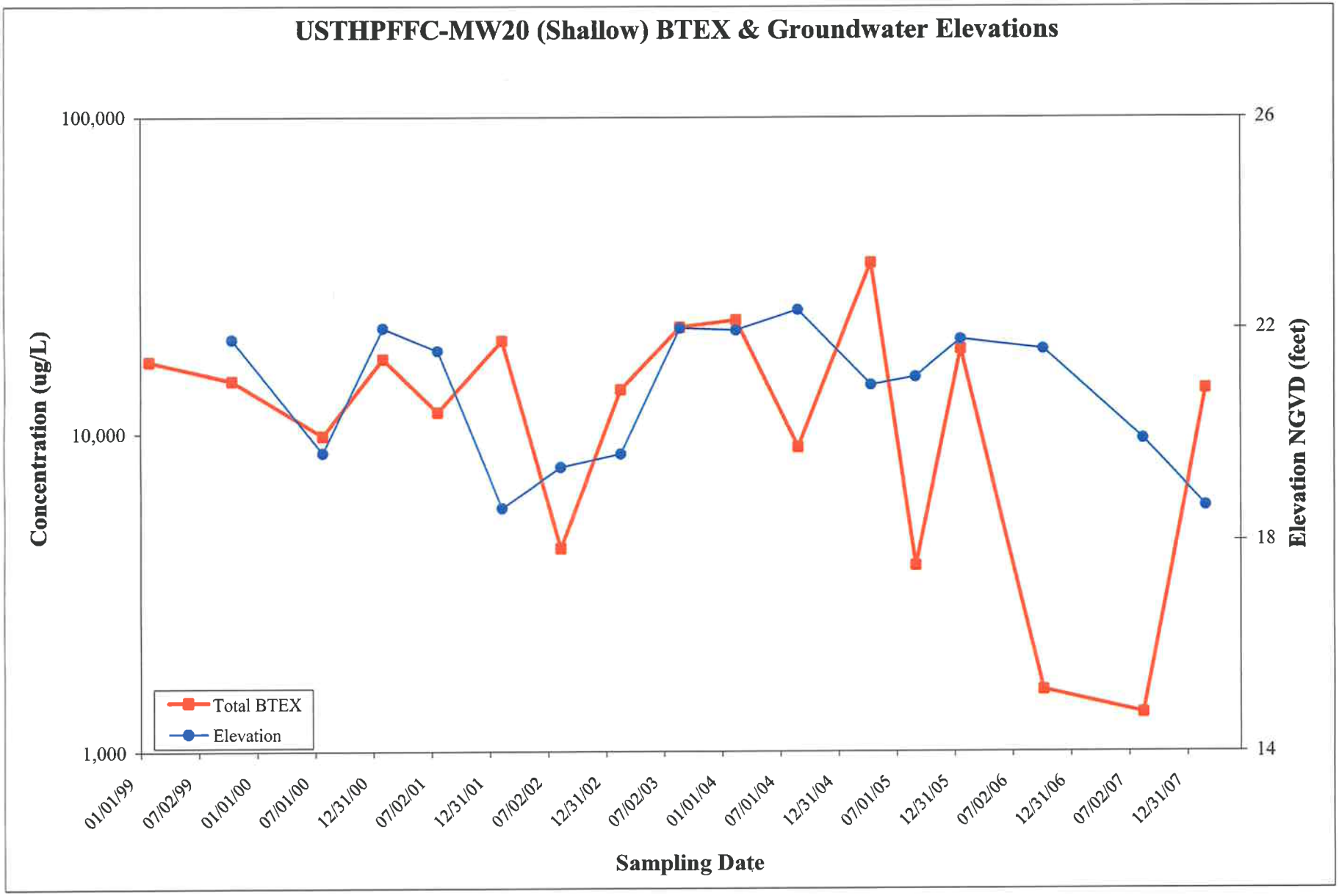

UST1115-MW25 (Deep) BTEX & Groundwater Elevations
Total BTEX
Elevation
Concentration (ug/L)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Elevation NGVD (feet)
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

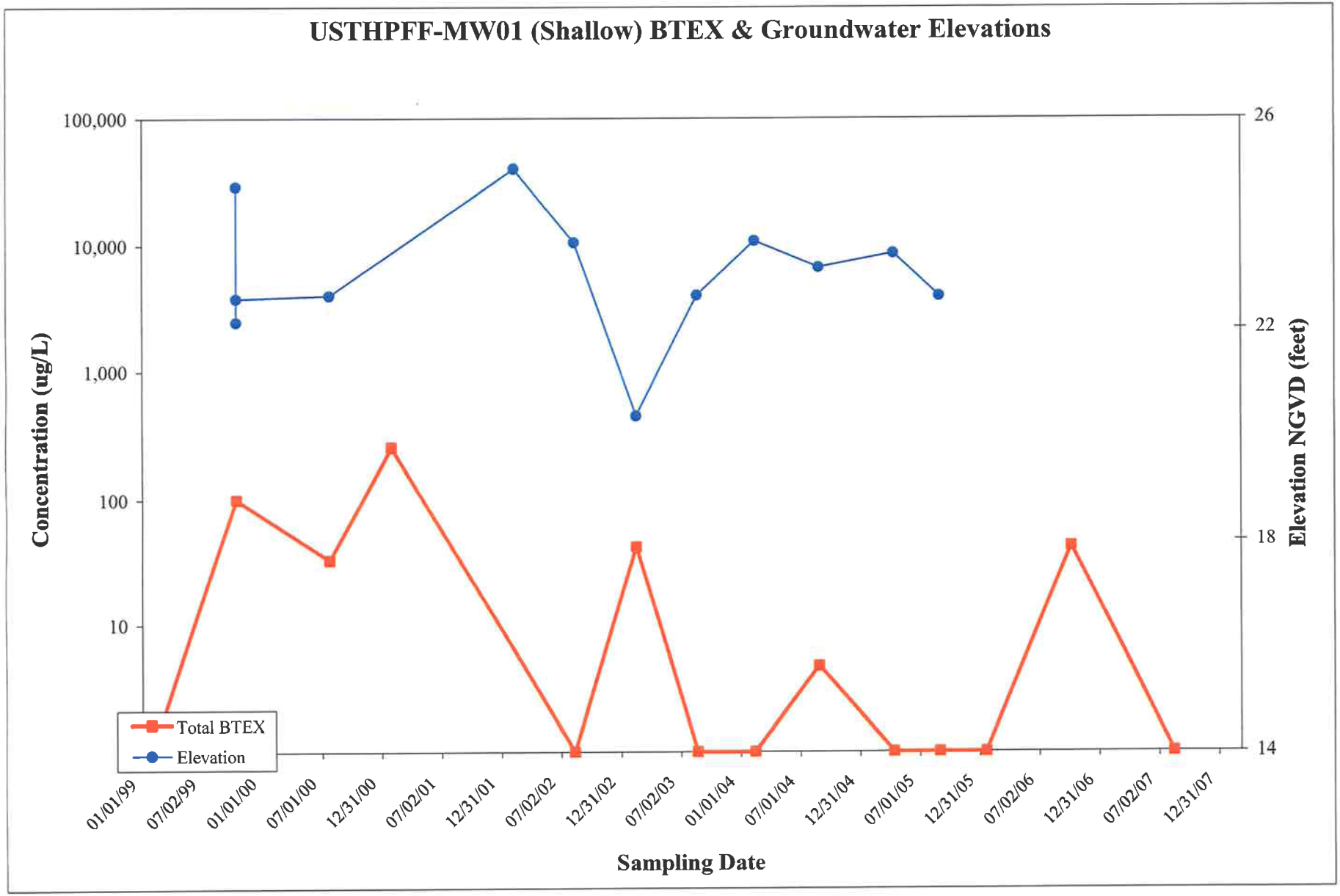

USTHPFFC-MW01 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
Elevation NGVD (feet)
Sampling Date
Total BTEX
Elevation
300
200
100
0
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07

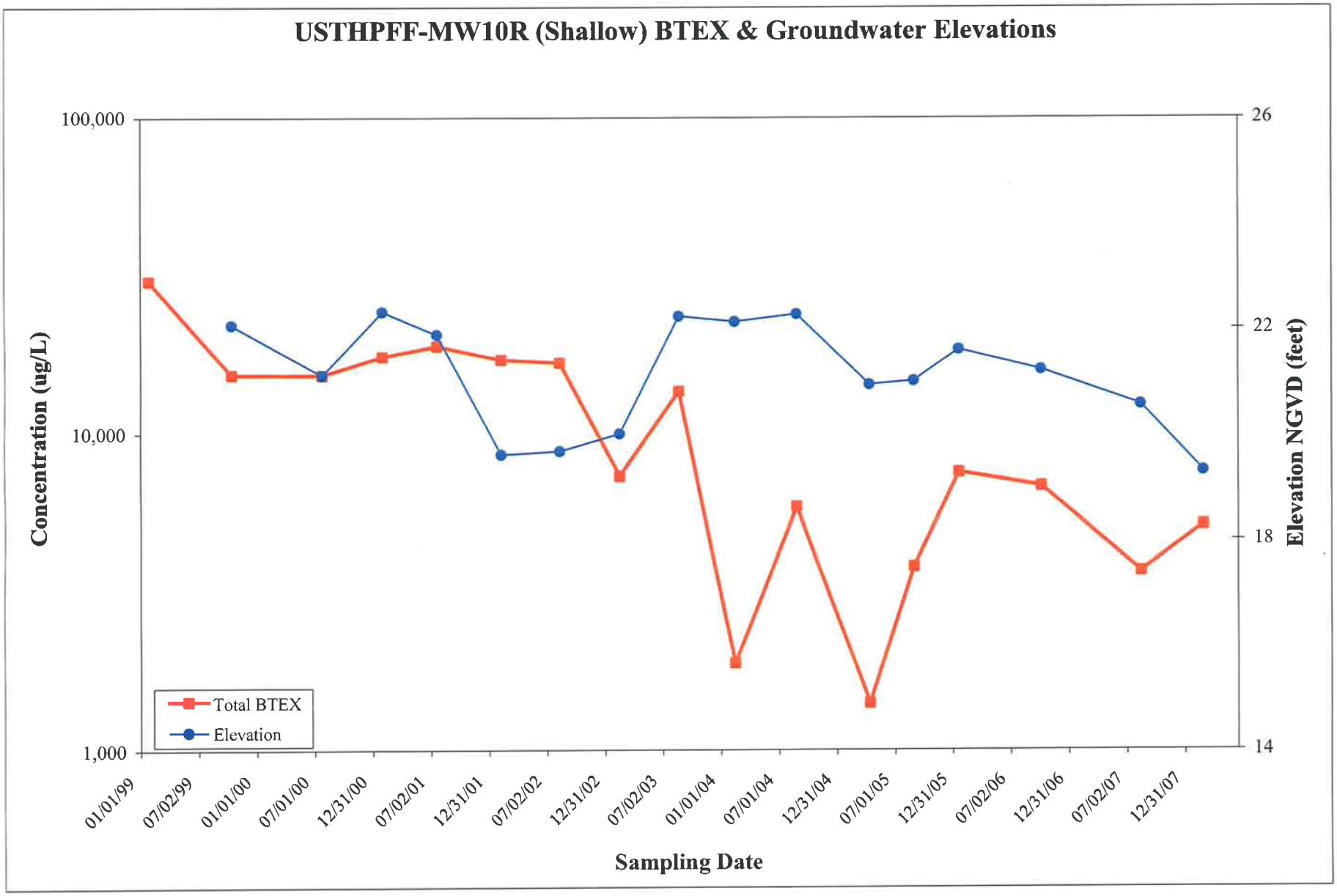

USTHPFFC-MW05 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
1,000
900
800
700
600
500
400
300
200
100
0
Total BTEX
Elevation
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

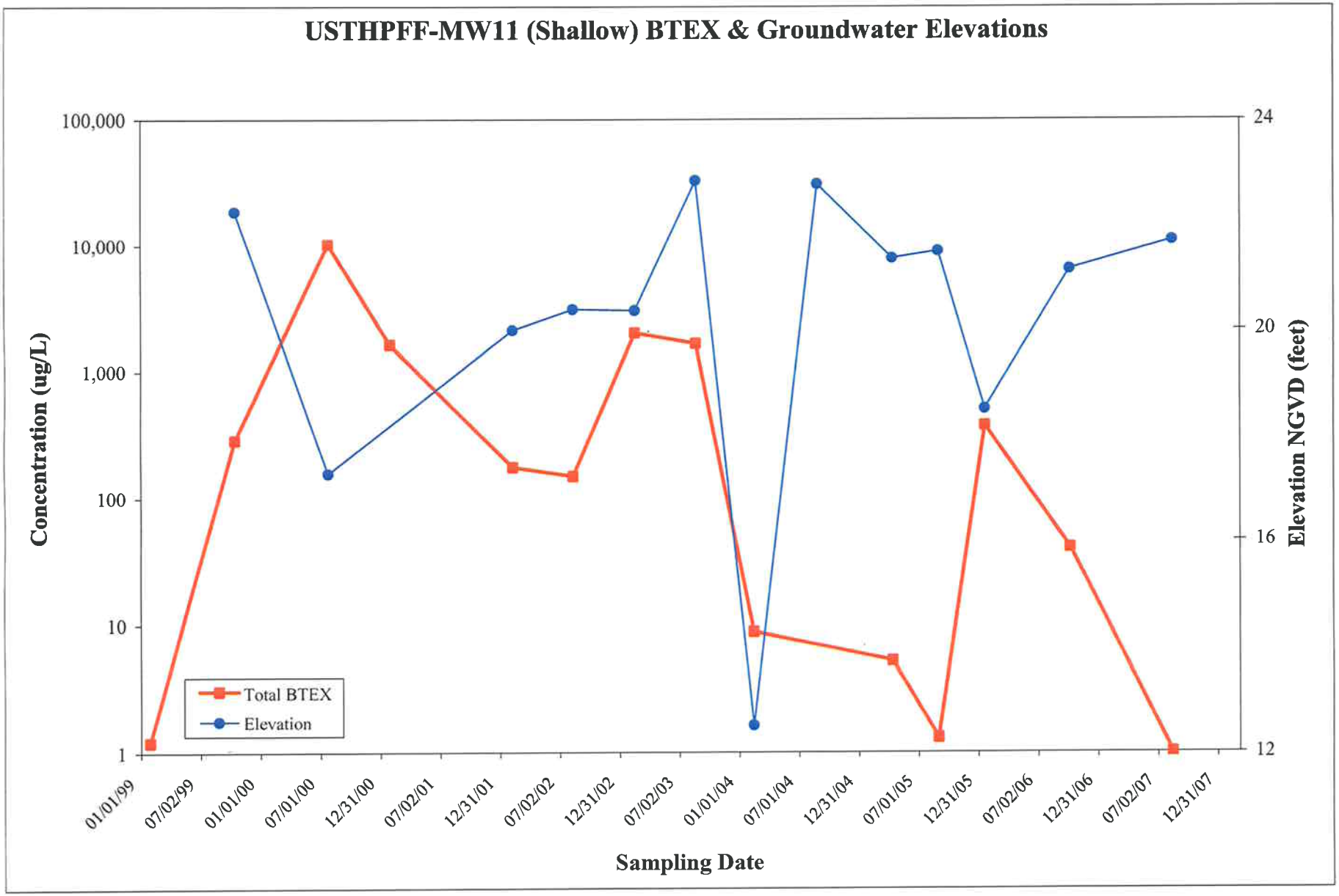

USTHPFFC-MW11 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
2,000
1,500
1,000
500
0
Total BTEX
Elevation
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

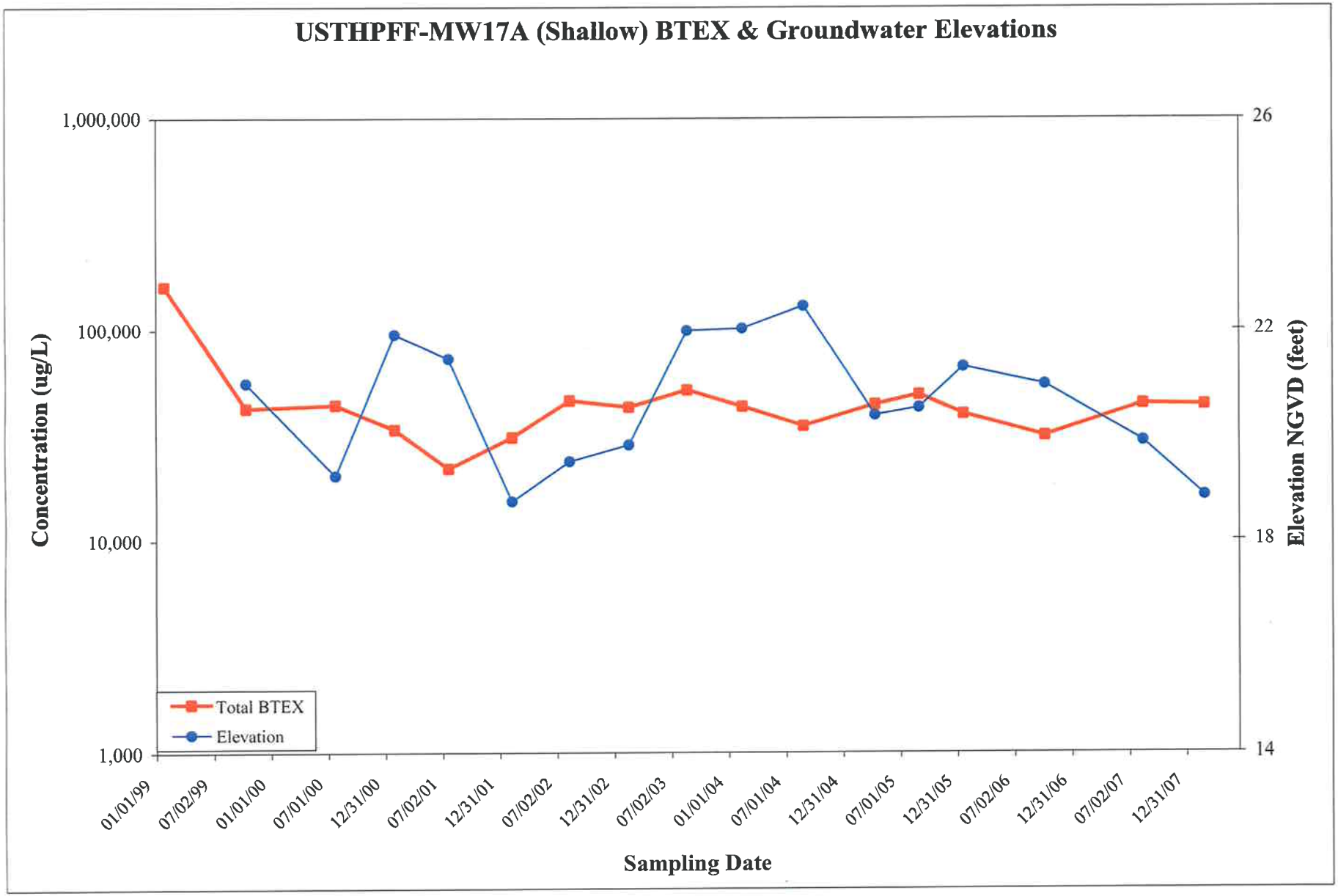

USTHPFFC-MW19 (Shallow) BTEX & Groundwater Elevations
100,000
10,000
1,000
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

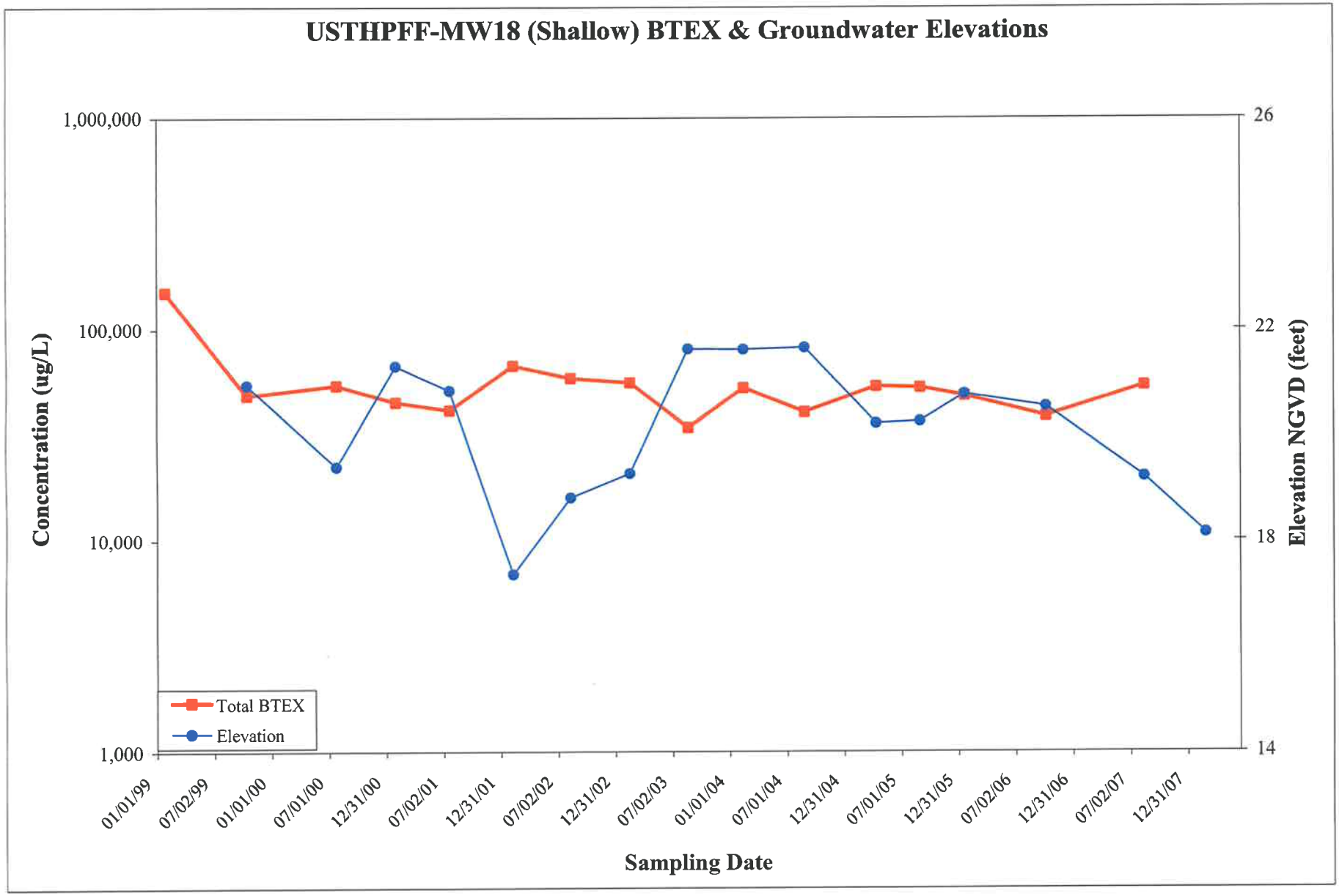

USTHPFFC-MW20 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date

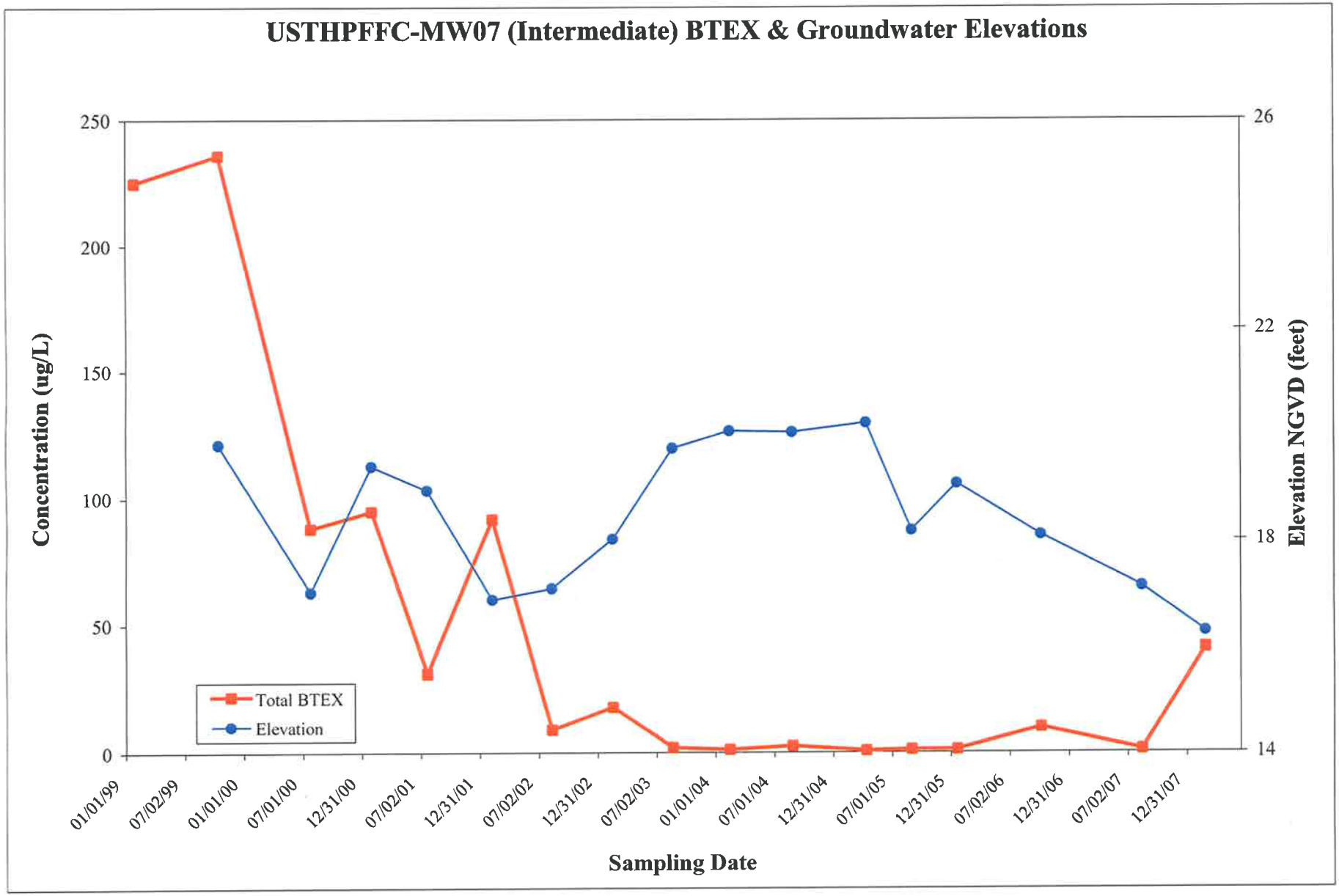

USTHPFF-MW01 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
100
10
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date


USTHPFF-MW10R (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date


USTHPFF-MW11 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
100
10
1
Elevation NGVD (feet)
24
20
16
12
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date


USTHPFF-MW17A (Shallow) BTEX & Groundwater Elevations
1,000,000
100,000
10,000
1,000
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date


USTHPFF-MW18 (Shallow) BTEX & Groundwater Elevations
1,000,000
100,000
10,000
1,000
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date


USTHPFFC-MW07 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
Elevation NGVD (feet)
Sampling Date
Total BTEX
Elevation
250
200
150
100
50
0
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
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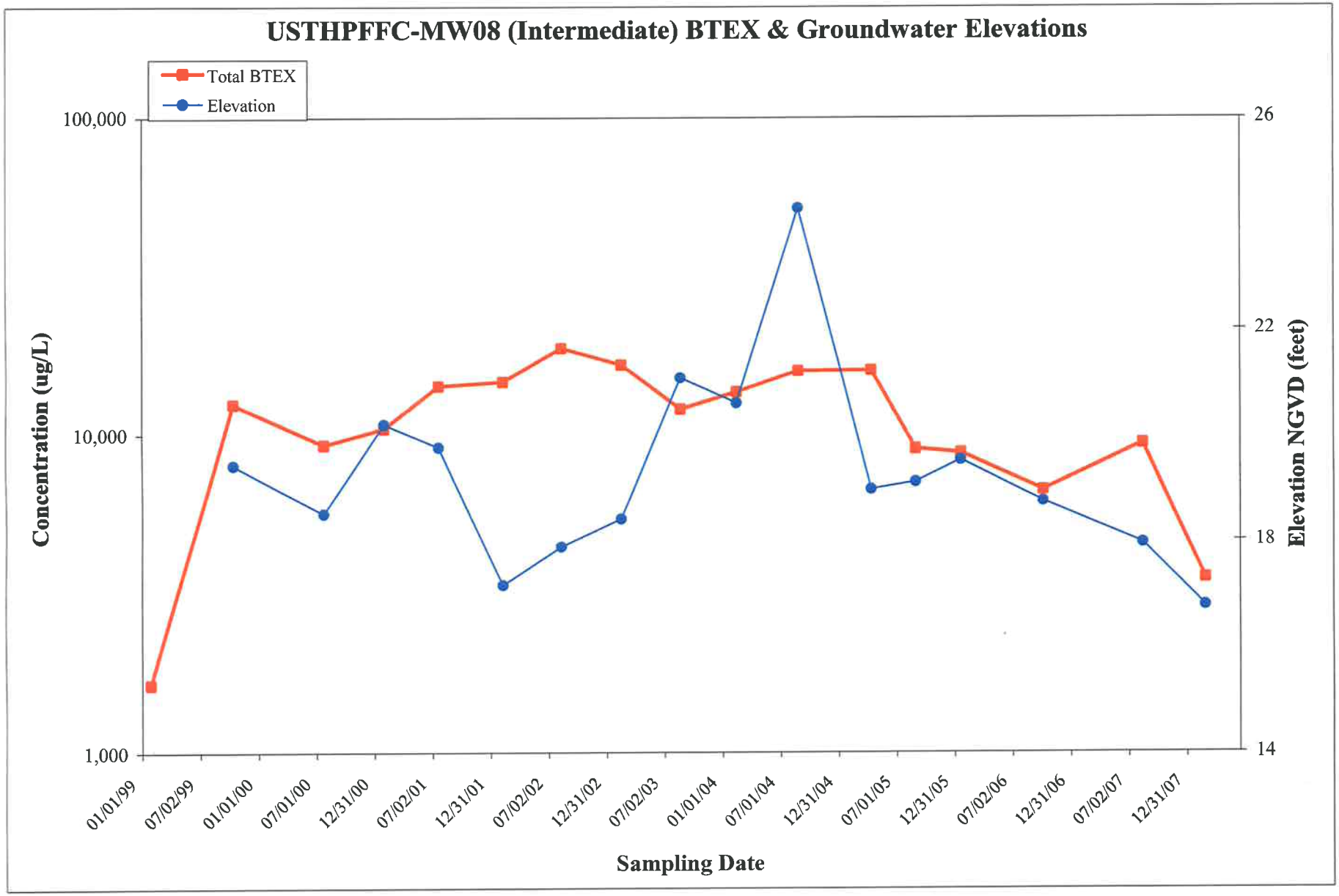
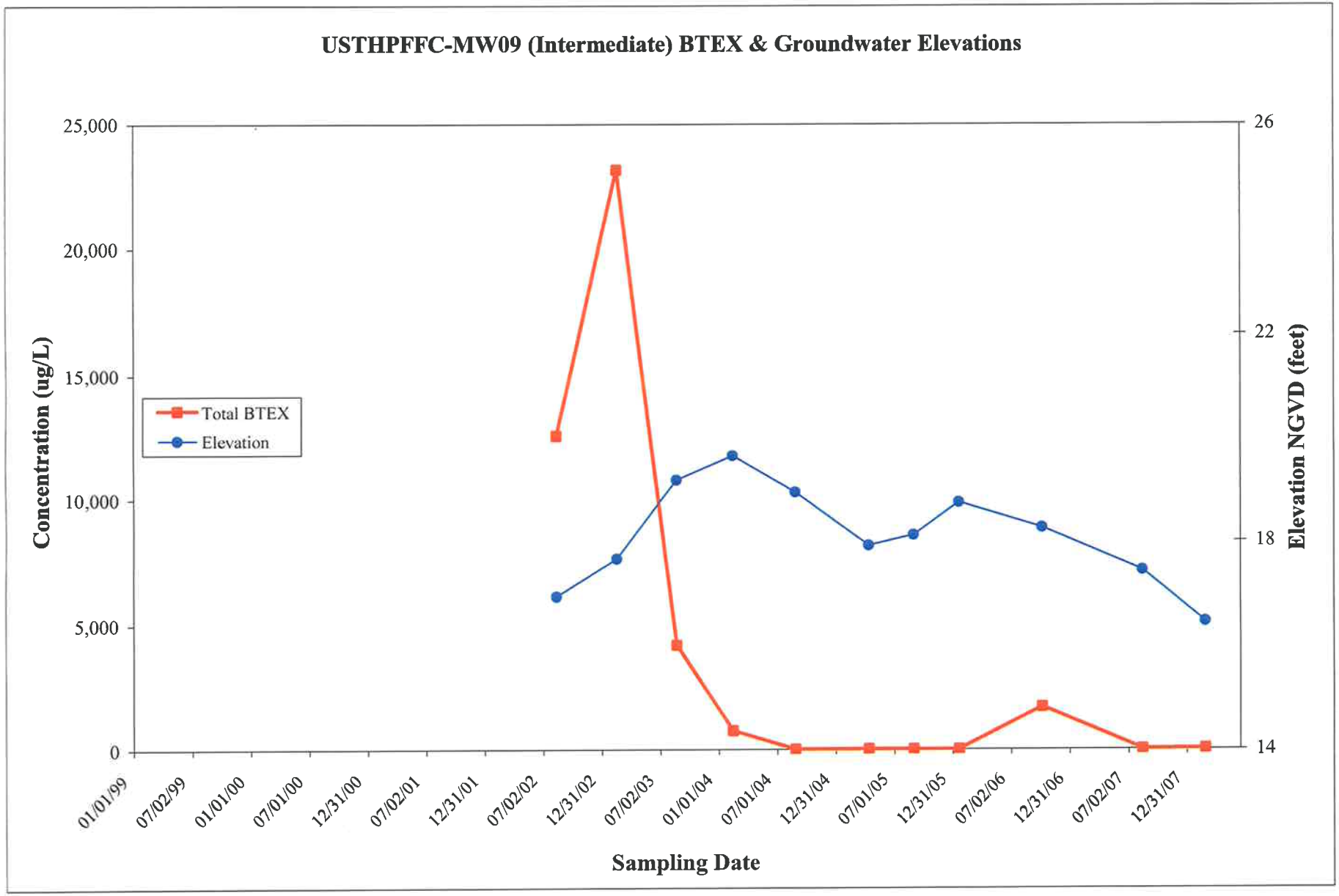
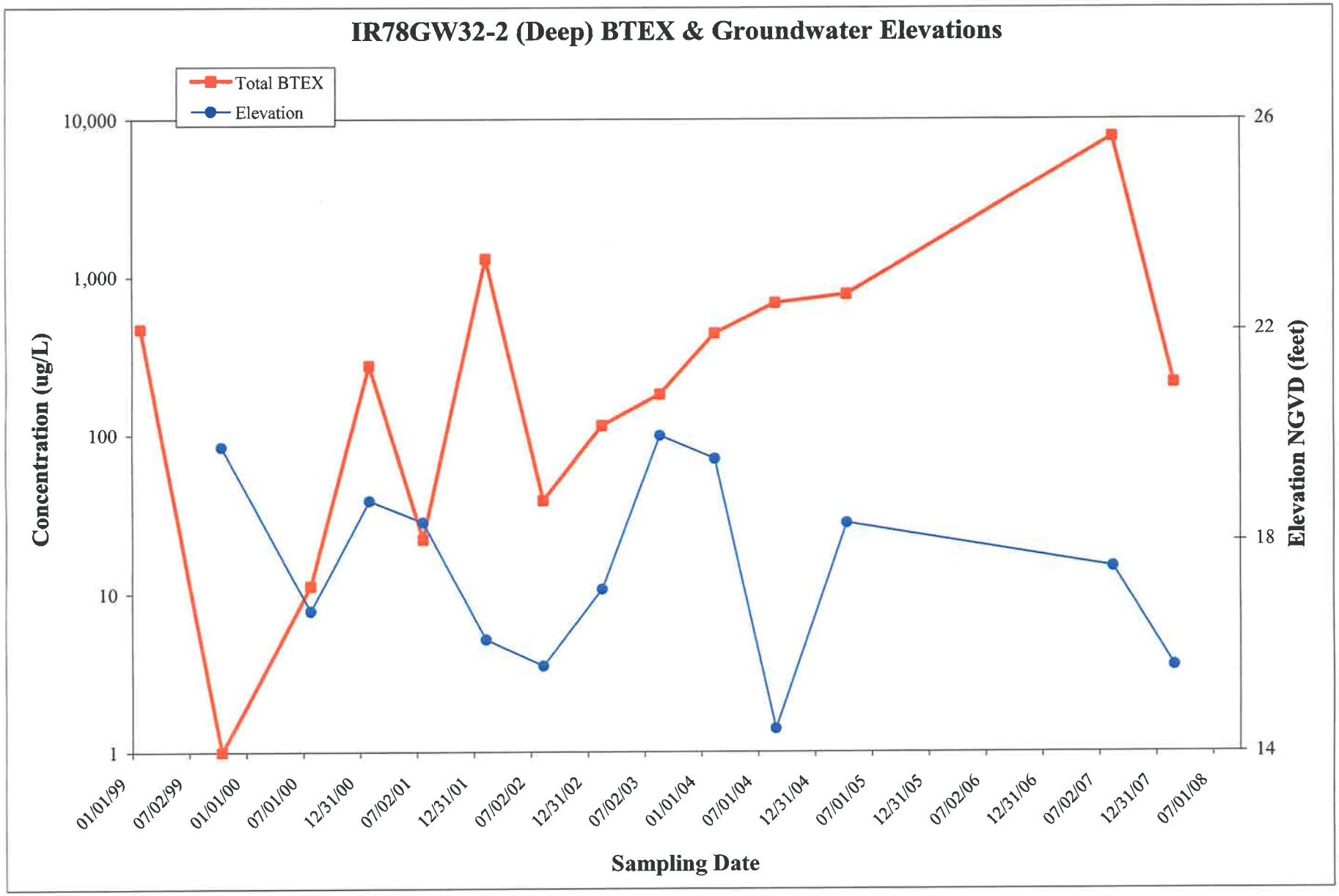
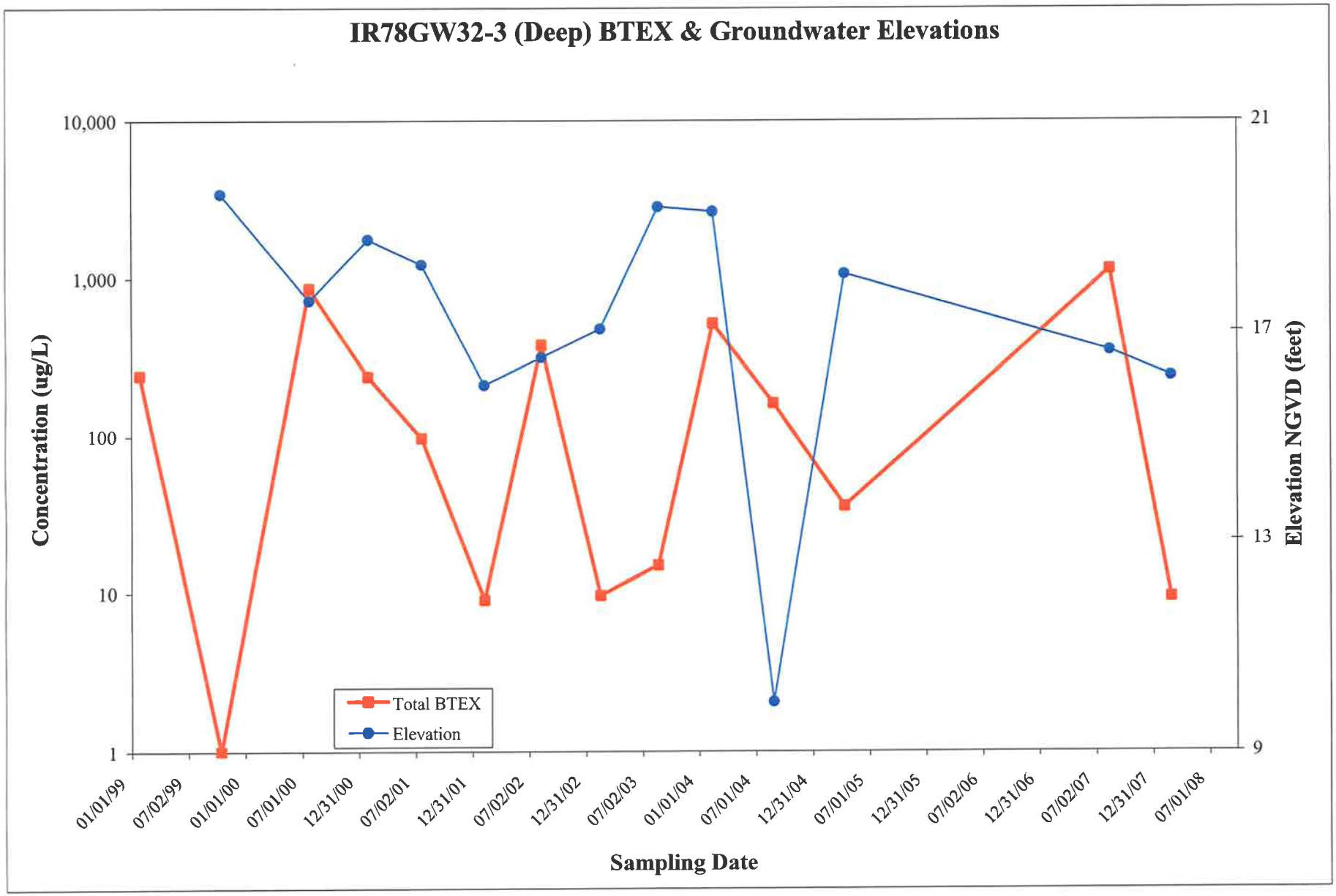
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07


USTHPFFC-MW08 (Intermediate) BTEX & Groundwater Elevations
Total BTEX
Elevation
100,000
10,000
1,000
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date


USTHPFFC-MW09 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
25,000
20,000
15,000
10,000
5,000
0
Total BTEX
Elevation
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
Sampling Date


IR78GW32-2 (Deep) BTEX & Groundwater Elevations
Total BTEX
Elevation
10,000
1,000
100
10
1
Concentration (ug/L)
26
22
18
14
Elevation NGVD (feet)
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
Sampling Date


IR78GW32-3 (Deep) BTEX & Groundwater Elevations
Concentration (ug/L)
10,000
1,000
100
10
1
Elevation NGVD (feet)
21
17
13
9
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
Sampling Date