Shaw™ Shaw Environmental, Inc.

FINAL

2008-2009 ANNUAL MONITORING REPORT

HADNOT POINT FUEL FARM/BUILDING 1115 SITES
MARINE CORP BASE, CAMP LEJUENE
ONSLOW COUNTY, NORTH CAROLINA

Contract No. N62470-02-D-3260

Prepared for:
DEPARTMENT OF THE NAVY
Naval Facilities Engineering Command, Mid-Atlantic
Marine Corps North Carolina IPT
Environmental Business Line
9742 Maryland Avenue
Norfolk, VA 23511-3095

Prepared by:
SHAW ENVIRONMENTAL, INC.
500 East Main Street, Suite 1630
Norfolk, Virginia 23510

Reviewed by:

NORTH CAROLINA LICENSED SEAL 2069 PROFESSIONAL GEOLOGIST JAMES RICHARD WILSON

James R. Wilson, P.G.
Licensed Geologist, Number 2069

Mark Pisarcik
Project Manager

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

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ACRONYMS AND ABBREVIATIONS

AFVR	Aggressive Fluid Vapor Recovery
µg/L	micrograms per liter
AMR	Annual Monitoring Report
AS	Air Sparge
ASD	Active Soil Depressurization
AST	Aboveground Storage Tank
BDL	Below the Detection Limit
bls	Below Land Surface
bql	below the quantitation limit
BTEX	benzene, toluene, ethylbenzene, and xylenes
CAP	Corrective Action Plan
CATLIN	CATLIN Engineers and Scientists
CATOX	Catalytic Oxidation
CPT	Cone Penetrometer Test
DCE	1,2 - Dichloroethane
DCRES	DC Resistivity
DO	Dissolved Oxygen
DPE	Dual Phase Extraction
DWM	Division of Waste Management
EEI	Engineering and Environment, Inc.
EPA	Environmental Protection Agency
FID	Flame Ionization Detector
ft-bgs	feet below ground surface
gpm	Gallons per Minute
GWQS	Groundwater Quality Standards
GWTP	Groundwater Treatment Plant
HPFF	Hadnot Point Fuel Farm
HPIA	Hadnot Point Industrial Area
J.A. Jones	J.A. Jones Environmental Services Company
LEL	Lower Explosive Limit
LIF	Laser Induced Fluorescence
MASW	Multichannel Analysis of Surface Waves
MCAS	Marine Corps Air Station
NAVFAC	Naval Facilities Engineering Command
NCDAQ	North Carolina Division of Air Quality
NCDENR	North Carolina Department of Environmental and Natural Resources
NCGWQS	North Carolina Groundwater Quality Standards

ACRONYMS AND ABBREVIATIONS (CONT.)

NESHAP	National Emission Standards for Hazardous Air Pollutants
NGVD	National Geodedic Vertical Datum
OBG	O'Brian & Gere Engineers
ORP	Oxidation Reduction Parameters
Osage	Osage of Virginia
OVA	Organic Vapor Analyzer
PAH	Poly Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
RAO	Remedial Action Objectives
RCAP	Revised Corrective Action Plan
SCAPS	Site Characterization and Analysis Penetrometer Systems
Shaw	Shaw Environmental, Inc.
SVE	Soil Vapor Extraction
SVOCs	Semi-Volatile Organic Compounds
PCA	Tetrachloroethane
PID	Photo Ionization detector
TCE	Trichloroethene
TPH	Total Petroleum Hydrocarbons
UST	Underground Storage Tank
VOA	Volatile Organic Analysis
VOCs	Volatile Organic Compounds
VPH	Volatile Petroleum Hydrocarbons
VSP	Vertical Seismic Profile
WWTP	Wastewater Treatment Plant

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:
Thomas Burton
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

1.0 *INTRODUCTION*

This annual monitoring report presents the monitoring results collected from May 2008 through April 2009, describes current groundwater contamination conditions, and provides recommendations for the groundwater remediation 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 HPFF/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 HPFF/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 (AST), 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 HPIA 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)

- TCE,
- 1,2-Dichloropropane, and
- 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 Northwest compound were not installed because free-phase product was not observed during system installation). The trenches at the Southeast compound were replaced with a dedicated free product recovery system comprised of existing and some new recovery wells.
- Soil Vapor Extraction (SVE) for reduction of unsaturated soil remediation.
- Air Sparge (AS) 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 HPFF. 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, and
- Site Characterization and Analysis Penetrometer System (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 Environmental Protection Agency (EPA) Method 4030. Additionally, 17 samples were sent to Accutest Laboratory located in Orlando, Florida for analysis using Massachusetts Department of Environmental Protection (MADEP) Extractable Petroleum Hydrocarbons(EPH), Volatile Petroleum Hydrocarbons (VPH) , and TPH. 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 MCB to the NCDENR.

2.6 REVISED CORRECTIVE ACTION PLAN (RCAP)

CATLIN Engineers and Scientists (CATLIN) 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 (NCGWQS).

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 AS/bio-sparge/SVE 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;
- Initiation of groundwater recovery and treatment by pumping groundwater recovery well USTHPFF-MW75 at a rate of 30 gallons per minute (gpm) to achieve hydraulic containment of the contaminant plume;
- Rehabilitation and re-using 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, continuing 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 Environmental, Inc (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 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 *Figure2.1*. Shaw 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 (ASD) systems 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 Environmental Management Division (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 lower explosive limits (LEL) readings were detected within Building 1101. Shaw installed an 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. The 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 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. From May 2008 through May 2009, Shaw completed bio-pulse cycles #7 through #11. The data has been forwarded to CATLIN for review and evaluation. CATLIN is currently preparing a Bio-pulse evaluation document that will be presented to MCB Camp Lejeune EMD and NCDENR

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 compounds (VOCs) 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 May 2008 through April 2009. 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 May 2008 through April 2009 the system was in operation a total of 337 days of the 365 day time frame for an operational efficiency of 92 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 20,074 pounds of hydrocarbons has been recovered from the Building 1115 Area (Northwest Compound) (*Table 3.1*). During this 12 month period (May 2008 to April 2009), a total of 1,208 pounds of hydrocarbons were recovered. Hydrocarbon recovery rates ranged from 10.08 pounds per day (lbs/day) to 0.07 lb/day when the system was in operation. The average recovery rate was 3.6 lbs/day. This is a decrease in hydrocarbon recovery from the

previous year. In 2007-2008, a total of 1,714 lbs of hydrocarbons were recovered with hydrocarbon recovery rates ranging from 9.97 lbs/day to less than 1.36 lbs/day with an average recovery rate of 4.1 lbs/day. 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, an increasing trend in recovery rates from 2004 to 2008, and now in a decreasing trend again during the past year. These increases from 2004 to 2008 may be due to the initial six bio-pulse air sparging cycles for the 25 bio-pulse wells. The recovery rate for 2008-2009 represents a decrease of 92 percent 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 RCAP. 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 2008 through April 2009. During the time period from May 2008 through April 2009, 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 323 days of the 365 day time frame for an operational efficiency of 88 percent.

Per the North Carolina Division of Air Quality (NCDQ), operation of the catalytic oxidation (CATOX) unit as part of the Southeast compound SVE treatment process is required for 73 days per year. Following a maintenance inspection and repairs which included cleaning the burner, replacing the ignitor, and replacing a valve actuator, Shaw successfully started the CATOX unit on February 13, 2009. The unit successfully operated through May 7, 2009 and was shut down due to reaching its operational goal of 73 days. However, due to data recovery issues, the logging of 73 operational days was not apparent. Therefore, the system was re-started on May 19, 2009 and operated through June 3, 2009. The chart recorder and data logger information will be collected and evaluated to ensure the required operational parameters have been achieved. The data will be forwarded to MCB Camp Lejuene for inclusion in the semi-annual site remediation National Emission Standards for Hazardous Air Pollutants (NESHAP) Compliance Report due to the EPA and NCDAQ.

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 1,352,918 pounds of hydrocarbons (*Table 3.2*).

Since system startup, the Field #1 (Motor Pool) remedial system has recovered approximately 285,149 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 and increased again in 2007 to 5,448 lbs. In 2008-2009, a total of 7,013 lbs of hydrocarbons was recovered with hydrocarbon recovery rates ranging from 457 lbs/day to 8.3 lbs/day with an average of 21.7 lbs/day. These vapor recovery rate increases over the past 3.5 years in the Motor Pool area may be due to the 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. The recovery rate decreased again to 29,274 lbs of hydrocarbons recovered in 2007. During the 2008-2009 operating time period, a total of 27,229 lbs of hydrocarbons was recovered with hydrocarbon recovery rates ranging from 645 lbs/day to 1.4 lbs/day with an average of 84 lbs/day. The vapor recovery rate decrease over the past 3.5 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 USTHPFF-MW75 to provide hydraulic control of the area. An existing inactive ground water treatment system was rehabilitated to treat groundwater from the recovery well (HPFF-MW75). 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 include two additional bag filters to maintain the through put at 30 gpm.

Recovery well (USTHPFF-MW75) 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 May 2008 through May 2009, a total of 19 AFVR events were completed at the HPFF Fuel Farm area (Southeast Compound) for a total of 388 gallons recovered from USTHPFFC-MW72 (341 gallons) and USTHPFFC-MW18 (47 gallons). In comparison, the 2007 monitoring period AFVR events were conducted at USTHPFFC-MW72 (10 events, 168 gallons of product) and 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 May 2008 to May 2009 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 2007-2008 monitoring period, product was not observed in RW4 (the fifth year in a row). During the 2008-2009 monitoring period, product was not observed in RW5 and the pump was shut down in RW5.

During the monitoring period 2008-2009, product thickness in MW16R ranged from a sheen to 1.40 feet. An estimated 115 gallons of product was recovered from MW16R during the 2008-2009 monitoring period. This is a decrease of 80 gallons of product recovered compared to the previous year (i.e., 195 gallons recovered).

During the monitoring period 2007-2008, 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 15 gallons per month during August 2008 to a low of 2 gallons during April 2009. This is a decrease from the previous year's high of 21 gallons recovered in July 2007. The product recovery system continues to be successful in reducing the volume of free phase product in the vicinity of the recovery wells.

3.6 HADNOT POINT INDUSTRIAL AREA (HPIA) BUILDING AIR MONITORING

For the 2008 – 2009 reporting period fugitive emissions air monitoring activities were regularly conducted at several buildings throughout the HPIA. Photo-ionization detector (PID) readings were collected at floor level, breathing zone level, and ceiling level from pre-determined interior and exterior locations at Buildings 1068, 1100, 1101, 1104,1105, 1108, 1111, 1114, 1115, 1200, 1201, 1202, 1220, and 1301. Throughout the 2008 – 2009 reporting period, all results were non-detect except for one occurrence at Building 1104 on December 3, 2008, that had multiple interior hits of 1-12 ppm. Several days of follow-up monitoring all resulted in non-detect readings. Therefore, no further action was initiated. The air monitoring data and monitoring point location sketches for each building are presented in Appendix G.

For Building 1101, weekly PID readings were collected from the various legs and effluent stack of the building vapor intrusion recover system. The data from these events is also presented in Appendix G.

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 63 monitoring wells in October/November 2008 and 16 monitoring wells in March 2009 and listed in *Table 4.1*. Measurements were recorded from:

35 "shallow" (less than 50 feet deep) monitoring wells (UST1115-MW01, UST1115-MW02, UST1115-MW03, UST1115-MW04, UST1115-MW06, UST1115-MW07, UST1115-MW08, UST1115-MW09, UST1115-MW10, UST1115-MW11, UST1115-MW12, UST1115GT-MW01, UST1115GT-MW03, UST1115GT-MW04, UST1115GT-MW05, UST1115GT-MW06, UST1115GT-MW07, UST1115GT-MW08, UST1115GT-MW09, USTHPFF-MW12, USTHPFFC-MW16, USTHPFF-MW20, USTHPFFC-MW23, USTHPFFC-MW36, USTHPFFC-MW37, USTHPFFC-MW46, USTHPFFC-MW48, USTHPFFC-MW51, USTHPFFC-MW54, USTHPFFC-MW58, IR78-GW13, IR78-GW14, IR78-GW19, IR78-GW20, and IR78-GW22-2) for October/November 2008.

9 "shallow" (less than 50 feet deep) monitoring wells (UST1115-MW07, UST1115-MW09, UST1115-MW12, UST1115GT-MW03, UST1115GT-MW04, UST1115GT-MW06, USTHPFF-MW12, USTHPFFC-MW16, and IR78-GW22-2) for March 2009.

15 "intermediate" (screened from 50 to 70 feet bls) monitoring wells (UST1115-MW13, UST1115-MW14, UST1115-MW15, UST1115-MW17, UST1115-MW18, UST1115-MW19, UST1115-MW20, UST1115-MW21, USTHPFFC-MW44, USTHPFFC-MW47, USTHPFFC-MW50, USTHPFFC-MW53, USTHPFFC-MW57, USTHPFFC-MW73, and USTHPFFC-MW76) for October/November 2008.

4 "intermediate" (screened from 50 to 70 feet bls) monitoring wells (UST1115-MW14, UST1115-MW17, UST1115-MW20, and USTHPFFC-MW47) for March 2009.

13 "deep" (greater than 70 feet deep) monitoring wells (UST1115-MW22, UST1115-MW23, UST1115-MW24, UST1115-MW25, USTHPFFC-MW13, USTHPFFC-MW39, USTHPFFC-MW43, USTHPFFC-MW45, USTHPFFC-MW49, USTHPFFC-MW52, USTHPFFC-MW55, USTHPFFC-MW56, and USTHPFFC-MW74) for October November 2008.

3 "deep" (greater than 70 feet deep) monitoring wells (UST1115-MW22, USTHPFFC-MW13, and USTHPFFC-MW45) for March 2009.

Groundwater level measurements are presented in *Table 4.1*. Monitoring well UST1115GT-MW05 was not used since it had free product. Monitoring wells UST1115-MW05, UST1115GT-MW02, USTHPFF-MW16, and USTHPFFC-MW27 were not used since they were dry. The groundwater measurement results from the October/November 2008 gauging event measurements are summarized below:

Depth to groundwater in the "shallow" wells ranged from 4.20 feet bls in UST1115GT-MW01 to 12.82 feet bls in IR78-GW13. Groundwater elevations ranged from 13.29 feet National Geodetic Vertical Datum (NGVD) in USTHPFFC-MW46 to 22.22 feet NGVD in UST1115-MW04.

Depth to groundwater in the "intermediate" wells ranged from 8.17 feet bls in UST1115-MW19 to 12.68 feet bls in USTHPFFC-MW73. Groundwater elevations ranged from 12.59 feet NGVD in USTHPFFC-MW73 to 17.77 feet NGVD in UST1115-MW19.

Depth to groundwater in the "deep" wells ranged from 4.13 feet bls in USTHPFFC-MW39 to 13.32 feet bls in UST1115-MW22. Groundwater elevations ranged from 12.41 feet NGVD in USTHPFFC-MW43 to 20.07 feet NGVD in USTHPFFC-MW39.

The groundwater measurement results from the March 2009 gauging event are summarized below:

Depth to groundwater in the "shallow" wells ranged from 4.14 feet bls in UST1115GT-MW03 to 9.43 feet bls in UST1115-MW09. Groundwater elevations ranged from 17.85 feet NGVD in UST1115-MW07 to 22.48 feet GVD in USTHPFF-MW12.

Depth to groundwater in the "intermediate" wells ranged from 9.72 feet bls in UST1115-MW20 to 11.83 feet bls in UST1115-MW14. Groundwater elevations ranged from 13.78 feet NGVD in USTHPFFC-MW47 to 16.41 feet NGVD in UST1115-MW20.

Depth to groundwater in the "deep" wells ranged from 10.96 feet bls in USTHPFFC-MW45 to 12.87 feet bls in UST1115-MW22. Groundwater elevations ranged from 13.52 feet NGVD in USTHPFFC-MW45 to 14.69 feet NGVD in USTHPFFC-MW13.

4.1.2 HPFF Fuel Farm Area (Southeast Compound)

Groundwater level measurements at the HPFF Fuel Farm Area Southeast compound were collected from 75 monitoring wells in October/November 2008 and 24 monitoring wells in March 2009 and listed in *Table 4.2*. Measurements were recorded from:

49 "shallow" monitoring wells (USTHPFF-MWA, USTHPFF-MW01, USTHPFF-MW02, USTHPFF-MW03, USTHPFF-MW04, USTHPFF-MW06, USTHPFF-MW09, USTHPFF-MW10R, USTHPFF-MW15, USTHPFF-MW17A, USTHPFF-MW18, USTHPFF-MW19,

USTHPFFC-MW01, USTHPFFC-MW02, USTHPFFC-MW03, USTHPFFC-MW04, USTHPFFC-MW05, USTHPFFC-MW14, USTHPFFC-MW15, USTHPFFC-MW17, USTHPFFC-MW19, USTHPFFC-MW20, USTHPFFC-MW21, USTHPFFC-MW22, USTHPFFC-MW24, USTHPFFC-MW28, USTHPFFC-MW29, USTHPFFC-MW30, USTHPFFC-MW31, USTHPFFC-MW34, USTHPFFC-MW35, USTHPFFC-MW38, USTHPFFC-MW40, USTHPFFC-MW41, USTHPFFC-MW42, USTHPFFC-MW68, USTHPFFC-MW72, USTHPFF-RW01, USTHPFF-RW02, USTHPFF-RW03, USTHPFF-RW04, UST1101-MW01, UST1101-MW02, UST1101-MW03, IR78-GW12, IR78-GW16, IR78-GW17-01, IR78-GW21, and IR78-GW22-01) for October 2008.

20 "shallow" monitoring wells (USTHPFF-MWA, USTHPFF-MW02, USTHPFF-MW06, USTHPFF-MW10R, USTHPFF-MW15, USTHPFF-MW17A, USTHPFFC-MW14, USTHPFFC-MW17, USTHPFFC-MW19, USTHPFFC-MW20, USTHPFFC-MW22, USTHPFFC-MW24, USTHPFFC-MW28, USTHPFFC-MW29, USTHPFFC-MW30, USTHPFFC-MW41, USTHPFFC-MW42, USTHPFF- RW01, USTHPFF- RW04, and IR78-GW22-01) in March 2009.

11 "intermediate" monitoring wells (USTHPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, USTHPFFC-MW60, USTHPFFC-MW63, USTHPFFC-MW66, USTHPFFC-MW69, USTHPFFC-MW70, USTHPFFC-MW77, and IR78-GW17-02) for October 2008.

2 "intermediate" monitoring wells (USTHPFFC-MW08, and USTHPFFC-MW60) for March 2009.

14 "deep" monitoring wells (USTHPFFC-MW10, USTHPFFC-MW11, USTHPFFC-MW12, USTHPFFC-MW59, USTHPFFC-MW61, USTHPFFC-MW62, USTHPFFC-MW65, USTHPFFC-MW67, USTHPFFC-MW71, USTHPFFC-MW78, IR78-GW31-02, IR78-GW31-03, IR78-GW32-02, and IR78-GW32-03) in October 2008.

2 "deep" monitoring wells (USTHPFFC-MW12, and IR78-GW32-02) in March 2009.

Groundwater level measurements are presented in *Table 4.2*. Monitoring wells USTHPFF-MW01, USTHPFF-MW18, USTHPFFC-MW72, USTHPFF-RW02, and USTHPFF-RW03 were not used since they had free product. Monitoring wells USTHPFF-MW11, USTHPFFC-MW25, USTHPFFC-MW32, and USTHPFFC-MW33 were not used since they were dry. The groundwater measurement results from October 2008 gauging event are summarized below:

Depth to groundwater in the "shallow" wells ranged from 5.26 feet bls in USTHPFFC-MW21 to 14.41 feet bls in USTHPFF-MW10R. Groundwater elevations ranged from 16.65 feet NGVD in USTHPFFC-MW34 to 22.41 feet NGVD in USTHPFF-MW09.

Depth to groundwater in the "intermediate" wells ranged from 9.77 feet bls in USTHPFFC-MW09 to 17.48 feet bls in USTHPFFC-MW08. Groundwater elevations ranged from 12.12 feet NGVD in USTHPFFC-MW08 to 22.80 feet NGVD in USTHPFFC-MW60.

Depth to groundwater in the "deep" wells ranged from 10.70 feet bls in USTHPFFC-MW61 to 16.01 feet bls in USTHPFFC-MW10. Groundwater elevations ranged from 14.62 feet NGVD in IR78-GW31-02 to 16.43 feet NGVD in USTHPFFC-MW10.

Monitoring wells USTHPFF-MW18, USTHPFFC-MW72, USTHPFF-RW02, and USTHPFF-RW03 were not used since they had free product. The groundwater measurement results from the March 2009 gauging event are summarized below:

Depth to groundwater in the "shallow" wells ranged from 3.14 feet bls in USTHPFF-RW01 to 14.15 feet bls in USTHPFF-MW10R. Groundwater elevations ranged from 17.71 feet NGVD in USTHPFFC-MW30 to 24.83 feet NGVD in USTHPFF-RW01.

Depth to groundwater in the "intermediate" wells ranged from 9.80 feet bls in USTHPFFC-MW60 to 18.09 feet bls in USTHPFFC-MW08. Groundwater elevations ranged from 12.74 feet NGVD in USTHPFFC-MW08 to 17.14 feet NGVD in USTHPFFC-MW60.

Depth to groundwater measurements in the "deep" wells ranged from 10.55 feet bls in IR78-GW32-02 to 11.50 feet bls in USTHPFFC-MW12. Groundwater elevations ranged from 18.55 feet NGVD in IR78-GW32-02 to 19.45 feet bls NGVD in USTHPFFC-MW12.

4.2 GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

4.2.1 Building 1115 Area (Northwest Compound)

Groundwater sample collection and analysis was completed in October 2008 and March 2009. The samples were analyzed for Volatile Organic Analysis (VOAs) using Method 8260B and individual parameters are shown in *Table 4.3.* In October 2008:

33 "shallow" wells (UST1115-MW01, UST1115- MW02, UST1115- MW03, UST1115- MW04, UST1115- MW06, UST1115- MW07, UST1115- MW08, UST1115- MW09, UST1115- MW10, UST1115- MW11, UST1115- MW12, UST1115GT-MW01, UST1115GT- MW03, UST1115GT- MW04, UST1115GT- MW06, UST1115GT- MW07, UST1115GT- MW08, UST1115GT- MW09, USTHPFF- MW12, USTHPFF-MW20, USTHPFFC- MW16, USTHPFFC- MW23, USTHPFFC- MW36, USTHPFFC- MW37, USTHPFFC- MW46,

USTHPFFC- MW48, USTHPFFC- MW51, USTHPFFC- MW54, IR78-GW13, IR78-GW14, IR78-GW19, IR78-GW20, IR78-GW22-2,) were sampled.

15 "intermediate" wells (UST1115- MW13, UST 1115- MW14, UST1115- MW15, UST1115-MW17, UST1115- MW18, UST1115- MW19, UST1115- MW20, UST1115- MW21, USTHPFFC- MW44, USTHPFFC- MW47, USTHPFFC- MW50, USTHPFFC- MW53, USTHPFFC- MW57, USTHPFFC- MW73, and USTHPFFC- MW76) were sampled.

14 "deep" wells (UST1115-MW22, UST1115-MW23, UST1115-MW24, UST1115-MW25, USTHPFFC-MW13, USTHPFFC-MW39, USTHPFFC-MW43, USTHPFFC-MW45, USTHPFFC-MW49, USTHPFFC-MW52, USTHPFFC-MW55, USTHPFFC-MW56, USTHPFFC-MW58, and USTHPFFC-MW74) were sampled.

Analytical results from the October 2008 sampling event indicated concentrations of COCs above NCGWQS in 15 of the 33 shallow monitoring wells. The following 15 wells displayed compounds in excess of.NCGWQS

- UST1115-MW06 [benzene, 24 µg/L; 1,2 dichloroethane, 1.5 µg/L; tetrachloroethylene, 6.0 J µg/L; and trichloroethylene, 5.5 µg/L]
- UST1115-MW07 [benzene, 2,180 µg/L; ethylbenzene, 745 µg/L; toluene, 3410 µg/L; and total xylenes, 2930 µg/L]
- UST1115-MW09 [benzene, 125 µg/L]
- UST1115-MW10 [benzene, 3.7 µg/L; and 1,2 dichloropropane, 0.6J µg/L]
- UST1115-MW11 [benzene, 57.6 µg/L; 1,2 dichloroethane, 2.7 µg/L; and 1,2 dichloropropane, 2.2 µg/L]
- UST1115-MW12 [benzene, 214 µg/L; methylene chloride 9.0 JB µg/L 1,2 dichloroethane, 114 µg/L; and 1,2 dichloropropane, 21.1 µg/L]
- UST1115GT-MW04 [benzene, 186 J µg/L; toluene, 1,200 µg/L; total xylenes, 1,790 µg/L; and methylene chloride, 36.5 J µg/L]
- UST1115GT-MW03 [benzene, 39 µg/L; ethylbenzene, 3,890 µg/L; toluene, 18,100 µg/L; and total xylenes, 13,600 µg/L]
- UST1115GT-MW06 [benzene, 1,770 µg/L; 1,2 dichloroethane, 38.7 µg/L; and 1,2 dichloropropane, 31.8 µg/L]
- UST1115GT-MW09 [benzene, 16.7 µg/L]
- USTHPFF-MW12 [benzene, 386 µg/L]
- USTHPFFC-MW16 [benzene, 77.8 µg/L]
- USTHPFFC-MW23 [benzene, 8.7 µg/L; and 1,2 dichloroethane, 24.5 µg/L]
- IR78-GW13 [benzene, 4.8 µg/L; and 1,2 dichloroethane, 2.0 µg/L] ; and
- IR78-GW22-2 [benzene, 101 µg/L; and 1,2 dichloroethane, 2.7 µg/L]

Analytical results from the October 2008 sampling event indicated concentrations of COCs above NCGWQS in 8 of the 15 intermediate monitoring wells. The following 8 wells displayed compounds in excess of NCGWQS.

- UST1115-MW20 [benzene, 7,670 µg/L; and total xylenes, 952 µg/L]
- UST1115-MW18 [benzene, 9.7 µg/L; 1,2 dichloroethane, 44.3 µg/L; and 1,2 dichloropropane, 1.3 µg/L µg/L]
- UST1115-MW17 [benzene, 494 µg/L; and 1,2 dichloroethane, 17.3 µg/L]
- UST1115-MW14 [benzene, 1,050 µg/L; methylene chloride 20.5 JB µg/L; 1,2 dichloroethane, 7.4 J µg/L; and trichloroethylene, 6.1 J µg/L]
- USTHPFFC-MW73 [benzene, 1.1 µg/L]
- USTHPFFC-MW76 [trichloroethylene, 89.2 µg/L]
- USTHPFFC-MW47 [benzene, 1,140 µg/L; methylene chloride 8.5 J µg/L; 1,2 dichloroethane, 26.6; 1,2 dichloropropane, 11.9 µg/L; tetrachloroethylene, 10.9 µg/L; and trichloroethylene, 223 µg/L]; and
- USTHPFFC-MW57 [benzene, 4.5 µg/L; and 1,2 dichloroethane, 21.9 µg/L;]

Analytical results from the October 2008 sampling event indicated concentrations of COCs above NCGWQS in 6 of the 14 deep monitoring wells. The following 6 wells displayed compounds in excess of NCGWQS.

- UST1115-MW22 [benzene, 305 µg/L; methylene chloride 6.2 J µg/L; and 1,2 dichloroethane, 4.0 J µg/L]
- UST1115-MW23 [1,2 dichloroethane, 137 µg/L]
- UST1115-MW24 [1,2 dichloroethane, 0.5 J µg/L]
- UST1115-MW25 [benzene, 27.7 µg/L]]
- USTHPFFC -MW13 [benzene, 99.9 µg/L] ; and
- USTHPFFC-MW45 [benzene, 614 µg/L; and trichloroethylene, 39.5 µg/L]

Groundwater natural attenuation parameters and analytical results of the COCs for the October 2008 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 March 2009. Only the monitoring wells that detected BTEX concentrations above the NCGWQS (NCGWQS) during the October 2008 sampling event were sampled in March 2009. In March 2009:

8 “shallow” wells (UST1115-MW07, UST1115-MW12, UST1115GT-MW03, UST1115GT-MW04, UST1115GT-MW06, USTHPFF-MW12, USTHPFFC-MW16, and IR78-GW22-2) were sampled.

4 “intermediate” wells (UST1115-MW14, UST1115-MW17, UST1115-MW20, and USTHPFFC-MW47) were sampled.

3 “deep” wells (UST1115-MW22, USTHPFFC-MW13, and USTHPFFC-MW45) were sampled.

Analytical results from the March 2009 sampling event indicated concentrations of COCs above NCGWQS in 9 of the 9 shallow monitoring wells. The following 9 wells displayed compounds in excess of NCGWQS.

- UST1115-MW07 [benzene, 2,810 µg/L; ethylbenzene, 1,180 µg/L; toluene, 8,510 µg/L; total xylenes, 4,640 µg/L; and methylene chloride 90.1 JB µg/L]
- UST1115-MW09 [benzene, 460 µg/L; and methylene chloride 15.5 J µg/L]
- UST1115-MW12 [benzene, 83.6 µg/L; 1,2 dichloroethane, 25.6 µg/L; 1,2 dichloropropane, 8.2 µg/L; and trichloroethylene, 10.9 µg/L]
- UST1115GT-MW03 [benzene, 184 µg/L; ethylbenzene, 3,400 µg/L; toluene, 8,850 µg/L; total xylenes, 10,600 µg/L; and methylene chloride 195 JB µg/L]
- UST1115GT-MW04 [benzene, 53.6 µg/L; total xylenes, 2,180 µg/L; methylene chloride 21.4 JB µg/L; 1,2 dichloroethane, 5.5 J µg/L; and 1,2 dichloropropane, 5.5 J µg/L]
- UST1115GT-MW06 [benzene, 4,000 µg/L; ethylbenzene, 1,010 µg/L; toluene, 3,060 µg/L; total xylenes, 1,630 µg/L; 1,2 dichloroethane, 31.2 µg/L; and 1,2 dichloropropane, 52.3 µg/L]
- USTHPFF-MW12 [benzene, 245 µg/L; methylene chloride 11.5 JB µg/L; and 1,2 dichloroethane, 372 µg/L; and 1,2 dichloropropane, 3.1 J µg/L]
- USTHPFFC-MW16 [benzene, 21.7 µg/L; and 1,2 dichloroethene, 0.53 J µg/L] ; and
- IR78-GW22-2 [benzene, 75.8 µg/L; and 1,2 dichloroethene, 2.4 µg/L]

Analytical results from the March 2009 sampling event indicated concentrations of COCs above NCGWQS in all 4 of the intermediate monitoring wells. The following 4 wells displayed compounds in excess of NCGWQS.

- UST1115-MW14 [benzene, 99.4 µg/L; ethylbenzene, 725 µg/L; 1,2 dichloroethane, 26.2 µg/L; 1,2 dichloropropane, 4.0 µg/L; and trichloroethylene, 4.3 µg/L]
- UST1115-MW17 [benzene, 372 µg/L; 1,2 dichloroethane, 20.4; and 1,2 dichloropropane, 1.7 µg/L]
- UST1115-MW20 [benzene, 14,300 µg/L; ethylbenzene, 729 µg/L; total xylenes, 2,140 µg/L; and methylene chloride 110 JB µg/L] ; and

- USTHPFFC-MW47 [benzene, 910 µg/L; methylene chloride 40.2 JB µg/L; 1,2 dichloroethane, 24.7 µg/L; 1,2 dichloropropane, 10.1 J µg/L; cis 1,2 dichloroethylene 45.8 µg/L; tetrachloroethylene, 8.5 J µg/L; and trichloroethylene, 179 µg/L]

Analytical results from the March 2009 sampling event indicated concentrations of COCs above NCGWQS in 2 of 3 of the deep monitoring wells. The following 2 wells displayed compounds in excess of NCGWQS.

- UST1115-MW22 [benzene, 314 µg/L; 1,2 dichloroethane, 4.1 µg/L; and 1,2 dichloropropane, 0.68 J µg/L] ; and
- USTHPFFC-MW45 [benzene, 797 µg/L; and trichloroethylene, 39.5 µg/L]

Groundwater natural attenuation parameters and analytical results of the COCs for the March 2009 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 NCGWQS are provided in *Appendix F.*

4.2.2 HPFF Fuel Farm Area (Southeast Compound)

Groundwater sample collection and analysis was completed in October 2008 and March 2009. The samples were analyzed for VOAs using Method 8260B and individual parameters are shown in *Table 4.3*. In October 2008:

44 “shallow” monitoring wells (USTHPFF-MWA, USTHPFF-MW02, USTHPFF-MW03, USTHPFF-MW04, USTHPFF-MW06, USTHPFF-MW09, USTHPFF-MW10R, USTHPFF-MW15, USTHPFF-MW17A, USTHPFF-MW19, USTHPFF-RW01, USTHPFF-RW04, USTHPFFC-MW01, USTHPFFC-MW02, USTHPFFC-MW03, USTHPFFC-MW04, USTHPFFC-MW05, USTHPFFC-MW14, USTHPFFC-MW15, USTHPFFC-MW17, USTHPFFC-MW19, USTHPFFC-MW20, USTHPFFC-MW21, USTHPFFC-MW22, USTHPFFC-MW24, USTHPFFC-MW28, USTHPFFC-MW29, USTHPFFC-MW30, USTHPFFC-MW31, USTHPFFC-MW34, USTHPFFC-MW35, USTHPFFC-MW38, USTHPFFC-MW40, USTHPFFC-MW41, USTHPFFC-MW42, USTHPFFC-MW68, UST1101-MW01, UST1101-MW02, UST1101-MW03, IR78-GW12, IR78-GW16, IR78-GW17-1, IR78-GW21, and IR78-GW22-1) were sampled.

11 “intermediate” monitoring wells (USTHPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, USTHPFFC-MW60, USTHPFFC-MW63, USTHPFFC-MW66,

USTHPFFC-MW69, USTHPFFC-MW70, USTHPFFC-MW77, and IR78-GW17-2) were sampled.

14 "deep" monitoring wells (USTHPFFC-MW10, USTHPFFC-MW11, USTHPFFC-MW12, USTHPFFC-MW59, USTHPFFC-MW61, USTHPFFC-MW62, USTHPFFC-MW65, USTHPFFC-MW67, USTHPFFC-MW71, USTHPFFC-MW78, IR78-GW31-02, IR78-GW31-03, IR78-GW32-02, and IR78-GW32-03) were sampled.

Analytical results from the October 2008 sampling event indicated concentrations of COCs above NCGWQS in 22 of the 44 shallow monitoring wells. Monitoring wells USTHPFF-MW01, USTHPFF-MW18, USTHPFFC-MW72, USTHPFF-RW02, and USTHPFF-RW03 were not sampled since they had free product. The following 22 wells displayed compounds in excess of NCGWQS.

- USTHPFF-MWA [benzene, 284 µg/L; total xylenes, 1,900 µg/L; and methylene chloride 28.1 J µg/L]
- USTHPFF-MW02 [benzene, 7,720 µg/L; ethylbenzene, 890 µg/L; toluene, 27,900 µg/L; total xylenes, 11,400 µg/L; methylene chloride, 1,690 J µg/L]
- USTHPFF-MW06 [benzene, 105 µg/L]
- USTHPFF-MW10R [benzene, 928 µg/L; ethylbenzene, 638 µg/L; and total xylenes, 2,700 µg/L]
- USTHPFF-MW15 [benzene, 94.5 µg/L; ethylbenzene, 2,550 µg/L; toluene, 2,700 µg/L; and total xylenes, 14,600 µg/L]
- USTHPFF-MW17A [benzene, 7,460 µg/L; ethylbenzene, 3,280 µg/L; toluene, 26,500 µg/L; total xylenes, 11,200 µg/L; and methylene chloride 1,650 J µg/L]
- USTHPFF-RW01 [benzene, 327 µg/L; and 1,2 dichloroethane, 46.1 µg/L]
- USTHPFF-RW04 [benzene, 326 µg/L]
- USTHPFFC-MW14 [benzene, 38 µg/L; and 1,2 dichloroethane, 1.1 µg/L]
- USTHPFFC-MW15 [benzene, 22,700 µg/L; ethylbenzene, 1,960 µg/L; toluene, 29,300 µg/L; total xylenes, 12,800 µg/L; methylene chloride 2,850 µg/L; and 1,2 dichloroethane, 1,460 µg/L]
- USTHPFFC-MW17 [benzene, 139 µg/L]
- USTHPFFC-MW19 [benzene, 8,790 µg/L; ethylbenzene, 991 µg/L; toluene, 7,990 µg/L; total xylenes, 5,740 µg/L; and 1,2 dichloroethane, 1,140 µg/L]
- USTHPFFC-MW20 [benzene, 6,810 µg/L; ethylbenzene, 1,610 µg/L; toluene, 25,300 µg/L; total xylenes, 8,130 µg/L; and methylene chloride 1,660 J µg/L]
- USTHPFFC-MW21 [benzene, 18.1 µg/L]
- USTHPFFC-MW22 [benzene, 532 µg/L]
- USTHPFFC-MW24 [benzene, 126 µg/L]

- USTHPFFC-MW28 [benzene, 6,520 µg/L; ethylbenzene, 721 µg/L; toluene, 18,200 µg/L; and total xylenes, 6,110 µg/L]
- USTHPFFC-MW29 [benzene, 15,000 µg/L; ethylbenzene, 2,000 µg/L; and total xylenes, 1,330 µg/L]
- USTHPFFC-MW30 [benzene, 659 µg/L]
- USTHPFFC-MW41 [benzene, 1,250 µg/L; and total xylenes, 1,360 µg/L]
- USTHPFFC-MW42 [benzene, 104 µg/L; and 1,2 dichloroethane, 2.9 µg/L]; and
- IR78-GW22-1 [benzene, 9,680 µg/L; ethylbenzene, 627 µg/L; toluene, 7,210 µg/L; total xylenes, 1,680 µg/L; methylene chloride 410 J µg/L; and 1,2 dichloroethane, 417 µg/L]

Analytical results from the October 2008 sampling event indicated concentrations of COCs above NCGWQS in 2 of the 11 intermediate monitoring wells. The following 2 wells displayed compounds in excess of NCGWQS.

- USTHPFFC-MW08 [benzene, 7,270 µg/L; toluene, 1,650 µg/L; total xylenes, 2,020 µg/L; and methylene chloride 104 J µg/L] ; and
- USTHPFFC-MW60 [benzene, 956 µg/L]

Analytical results from the October 2008 sampling event indicated concentrations of COCs above NCGWQS in 5 of the 15 deep monitoring wells. The following 5 wells displayed compounds in excess of NCGWQS.

- USTHPFFC-MW12 [benzene, 56.8 µg/L]
- USTHPFFC-MW59 [benzene, 4.8 µg/L]
- USTHPFFC-MW78 [benzene, 2.5 µg/L]
- IR78-GW32-02 [benzene, 13.3 µg/L]; and
- IR78-GW32-03 [benzene, 1.3 µg/L]

Groundwater natural attenuation parameters and analytical results of the COCs for the October 2008 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 NCGWQS are provided in *Appendix F*.

In March 2009:

20 “shallow” monitoring wells (USTHPFF-MWA, USTHPFF-MW02, USTHPFF-MW06, USTHPFF-MW10R, USTHPFF-MW15, USTHPFF-MW17, USTHPFF-RW01, USTHPFF-RW04, USTHPFFC-MW14, USTHPFFC-MW17, USTHPFFC-MW19, USTHPFFC-MW20,

USTHPFFC-MW22, USTHPFFC-MW24, USTHPFFC-MW28, USTHPFFC-MW29, USTHPFFC-MW30, USTHPFFC-MW41, USTHPFFC-MW42, and IR78-GW22-1) were sampled.

2 "intermediate" monitoring wells (USTHPFFC-MW08, and USTHPFFC-MW60) were sampled.

2 "deep" monitoring wells (USTHPFFC-MW12 and IR78-GW32-02) were sampled.

As noted previously, the wells sampled in March 2009 were selected based on BTEX exceedances from the October 2008 sampling.

Monitoring wells USTHPFF-MW18, USTHPFFC-MW72, USTHPFF-RW02, and USTHPFF-RW03 were not sampled due to the presence of free product.

Analytical results from the March 2009 sampling event indicated concentrations of COCs above NCGWQS in all 20 of the shallow monitoring wells. The following 20 wells displayed compounds in excess of NCGWQS.

- USTHPFF-MWA [benzene, 775 µg/L; total xylenes, 1,430 µg/L; acetone, 220 J µg/L; methylene chloride 52.5 J µg/L; and 1,2 dichloroethane, 31 µg/L]
- USTHPFF-MW02 [benzene, 5,840 µg/L; ethylbenzene, 990 µg/L; toluene, 27,700 µg/L; total xylenes, 12,600 µg/L; and methylene chloride 1,380 JB µg/L]
- USTHPFF-MW06 [benzene, 196 µg/L; methylene chloride, 5.4 JB µg/L]
- USTHPFF-MW10R [benzene, 570 µg/L; total xylenes, 2,620 µg/L; and methylene chloride 39.8 J µg/L]
- USTHPFF-MW15 [benzene, 276 µg/L; ethylbenzene, 1,900 µg/L; toluene, 3,080 µg/L; total xylenes, 12,000 µg/L; and methylene chloride 435 JB µg/L]
- USTHPFF-MW17 [benzene, 5,700 µg/L; ethylbenzene, 2,760 µg/L; toluene, 25,600 µg/L; total xylenes, 9,660 µg/L; and methylene chloride 1,320 J µg/L]
- USTHPFF-RW01 [benzene, 210 µg/L; methylene chloride 14.4 J µg/L; 1,2 dichloroethane, 8.4 µg/L; and 1,2 dichloropropane, 2.3 J µg/L]
- USTHPFF-RW04 [benzene, 329 µg/L; methylene chloride 10.7 JB µg/L; and 1,2 dichloroethane, 17.1 µg/L]
- USTHPFFC-MW14 [benzene, 21.9 µg/L; total xylenes, 621 µg/L; methylene chloride 49.2 B µg/L; and 1,2 dichloroethane, 1.1 J µg/L]
- USTHPFFC-MW17 [benzene, 18.5 µg/L; and methylene chloride 3.8 J µg/L]
- USTHPFFC-MW19 [benzene, 12,900 µg/L; ethylbenzene, 1,070 µg/L; toluene, 4,960 µg/L; total xylenes, 3,910 µg/L; and methylene chloride 463 JB µg/L]

- USTHPFFC-MW20 [benzene, 4,560 µg/L; ethylbenzene, 1,500 µg/L; toluene, 20,800 µg/L; total xylenes, 6,600 µg/L; and methylene chloride 279 J µg/L]
- USTHPFFC-MW22 [benzene, 2,590 µg/L; toluene, 1,400 µg/L; total xylenes, 936 µg/L; methylene chloride 126 JB µg/L; and 1,2 dichloroethane, 91.3 µg/L]
- USTHPFFC-MW24 [benzene, 25 µg/L; methylene chloride 4.5 JB µg/L; 1,2 dichloroethane, 7.4 µg/L; and 1,2 dichloropropane, 1.3 µg/L]
- USTHPFFC-MW28 [benzene, 9,080 µg/L; ; ethylbenzene, 633 µg/L; toluene, 21,300 µg/L; total xylenes, 5,400 µg/L; and methylene chloride 663 JB µg/L]
- USTHPFFC-MW29 [benzene, 8,740 µg/L; ethylbenzene, 961 µg/L; toluene, 1,530 µg/L; total xylenes, 1,610 µg/L; and methylene chloride 586 JB µg/L]
- USTHPFFC-MW30 [benzene, 432 µg/L; and methylene chloride 47.3 JB µg/L]
- USTHPFFC-MW41 [benzene, 564 µg/L; total xylenes, 890 µg/L; methylene chloride 21.4 J µg/L; and 1,2 dichloropropane, 18.2 µg/L]
- USTHPFFC-MW42 [benzene, 31.6 µg/L; and 1,2 dichloroethane 1.3 µg/L]
- IR78-GW22-1 [benzene, 1,780 µg/L; ethylbenzene, 257 µg/L; toluene, 1,760 µg/L; total xylenes, 709 µg/L; methylene chloride 48.8 J µg/L; and 1,2 dichloropropane, 82.4 µg/L]

Analytical results from the March 2009 sampling event indicated concentrations of COCs above NCGWQS in all 2 of the intermediate monitoring wells. The following 2 wells displayed compounds in excess of NCGWQS.

- USTHPFFC-MW08 [benzene, 6,240 µg/L; ; toluene, 1,820 µg/L; total xylenes, 1,990 µg/L; and methylene chloride 398 J µg/L]; and
- USTHPFFC-MW60 [benzene, 7,660 µg/L; and methylene chloride 29.5 JB µg/L]

Analytical results from the March 2009 sampling event indicated concentrations of COCs above NCGWQS in all 2 deep monitoring wells. The following 2 wells displayed compounds in excess of NCGWQS.

- USTHPFFC-MW12 [benzene, 2,750 µg/L] ; and
- IR78-GW32-02 [benzene, 23.5 µg/L]

Groundwater natural attenuation parameters and analytical results of the COCs for the March 2009 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 NCGWQS are provided in *Appendix F.*

5.0 *CONCLUSIONS*

5.1 AFVR EVENTS

During the monitoring period from May 2008 through May 2009, a total of 19 AFVR events were completed at the HPFF area (Southeast Compound) for a total of 388 gallons recovered from USTHPFFC-MW72 (341 gallons) and USTHPFFC-MW18 (47 gallons). During the 2007 monitoring period 10 AFVR events were conducted at USTHPFFC-MW72 and produced 168 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 (October 2008 and March 2009).

5.2.1 Building 1115 Area (Northwest Compound)

Groundwater elevation maps produced from groundwater elevations from the October 2008 and March 2009 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 the October 2008 groundwater monitoring event the shallow groundwater flow direction at the Northwest compound appears to have a ridge trending northwest to southeast and resultant groundwater gradient moving to the west with an average hydraulic gradient of approximately 0.014 ft/ft over the whole area (*Figure 4.1)*. During March 2009 groundwater monitoring event the shallow groundwater flow direction at the Northwest compound trending west with a groundwater gradient of approximately 0.009 ft/ft for March 2009 (*Figure 4.4)*.

During the October 2008 groundwater monitoring event, the intermediate groundwater flow direction at the Northwest compound appears to have a ridge trending north to south and groundwater gradient moving to the west and east off the ridge. The hydraulic gradient of the intermediate zone is approximately 0.020 ft/ft to the west and east off the ridge (*Figure 4.2).* During the March 2009 groundwater monitoring event, the intermediate groundwater flow direction at the Northwest compound appears to be to the west and a hydraulic gradient of the intermediate zone is approximately 0.014 ft/ft to the west (*Figure 4.5).*

During the October 2008 groundwater monitoring event, the deep groundwater flow direction at the Northwest compound appears be to the west with a hydraulic gradient of 0.005 ft/ft (*Figure*

4.3). During the March 2009 groundwater monitoring event, the deep groundwater flow direction at the Northwest compound appears be to the west with a hydraulic gradient of 0.006 ft/ft (*Figure 4.6).*

In general, groundwater elevations observed during 2008-2009 at the Northwest compound were one to one and one-half feet lower than elevations observed during 2007-2008.

5.2.2 HPFF Area (Southeast Compound)

Groundwater elevation maps produced from groundwater elevations from the October 2008 and March 2009 in the "shallow (< 50 ft)," "intermediate (50-70 ft)," and "deep (> 70 ft)" monitoring wells at the HPFF area are presented on *Figures 4.7, 4.8, 4.9*, *4.10, 4.11, and 4.12*. During both the October 2008 and March 2009 groundwater monitoring events the shallow groundwater flow direction at the Southeast compound appears to have a ridge trending north to south and with a hydraulic gradient of approximately 0.017 ft/ft to the west and east in both October 2008 and March 2009 (*Figures 4.7 and 4.10).*

During the October 2008 groundwater monitoring event, the intermediate groundwater at the Southeast compound appears to have a ridge trending northeast to southwest with groundwater flow direction to the northwest and southeast with a hydraulic gradient of approximately 0.024 ft/ft in both directions (*Figure 4.8)*. During the March 2009 groundwater monitoring event, the intermediate groundwater at the Southeast compound appears to have a ridge trending northeast to southwest with groundwater flow direction to the northwest and southeast with a hydraulic gradient of approximately 0.014 ft/ft in both directions (*Figure 4.11).*

The October 2008 groundwater monitoring event for the deep groundwater has a groundwater gradient moving to the west with a hydraulic gradient of approximately 0.004 ft/ft (*Figure 4.9).* During the March 2009 groundwater monitoring event the deep groundwater did not have enough groundwater elevations to determine an accurate flow direction and hydraulic gradient (*Figure 4.12).*

In general, groundwater elevations observed during 2008-2009 at the Southeast compound were one to one and one-half feet lower than elevations observed during 2007-2008.

5.3 GROUNDWATER ANALYTICAL RESULTS

5.3.1 Building 1115 Area (Northwest Compound)

5.3.1.1 Shallow Monitoring Wells

During the August 2007 sampling event, 15 shallow (<50 feet bls) monitoring wells (UST1115-MW01, UST1115-MW02, UST1115-MW04, UST1115-MW07, UST1115-MW 09,

UST1115GT-MW01, UST1115GT-MW07, UST1115GT-MW09, USTHPFF-MW12, USTHPFF-MW 20, USTHPFFC-MW36, USTHPFFC-MW39, USTHPFFC-MW48, USTHPFFC-MW51, and USTHPFFC-MW 54) were sampled. To better define the horizontal extent of contamination in the Northwest compound area the number of wells were increased in October 2008, to a total of 39 shallow wells (UST1115-MW01, UST1115-MW02, UST1115-MW03, UST1115-MW04, UST1115-MW06, UST1115-MW07, UST1115-MW08, UST1115-MW09, UST1115-MW10, UST1115-MW11, UST1115-MW12, UST1115GT-MW01, UST1115GT-MW03, UST1115GT-MW04, UST1115GT-MW06, UST1115GT-MW07, UST1115GT-MW08, UST1115GT-MW09, USTHPFF-MW12, USTHPFF-MW20, USTHPFFC-MW16, USTHPFFC-MW23, USTHPFFC-MW36, USTHPFFC-MW37, USTHPFFC-MW46, USTHPFFC-MW48, USTHPFFC-MW51, USTHPFFC-MW54, IR78-GW13, IR78-GW14, IR78-GW19, IR78-GW20, IR78-GW22-2). Only monitoring wells that displayed compounds in excess of NCGWQS for BTEX constituents in October 2008 were sampled in March 2009. Nine shallow monitoring wells (UST1115-MW07, UST1115-MW09, UST1115GT-MW07, UST1115GT-MW03, UST1115GT-MW04, UST1115GT-MW06, USTHPFF-MW012, USTHPFFC-MW016, and IR78-GW22-2) were sampled in March 2009.

Concentrations of COCs decreased significantly in all of the above mentioned shallow monitoring wells from the August 2007 monitoring event to the October 2008 monitoring event. The benzene concentrations do not change significantly from the October 2008 to the March 2009 sampling event. The existing HPFF Northwest compound AS/SVE system appears to have decreased concentrations of COCs in the shallow monitoring wells as the AS/SVE continues. However, high concentrations of COCs were detected in monitoring wells UST1115GT-MW03, UST1115GT-MW04, UST1115GT-MW06, and IR78-GW22-2 in October 2008 which were not sampled in August 2007. The two hot spot areas are currently around Building UST1115 and between Buildings 1101 and 1108.

Groundwater natural attenuation parameters and analytical results from the shallow monitoring wells for the October 2008 and March 2009 sampling events are presented in *Tables 4.4, 4.5, 4.6, and 4.7.* Historical groundwater analytical results are provided in *Appendix B.*

5.3.1.2 Intermediate Monitoring Wells

During the August 2007 sampling event, 13 intermediate wells (UST1115-MW13, UST1115-MW14, UST1115-MW15, UST1115-MW17, UST1115-MW18, UST1115-MW20, UST1115-MW21, USTHPFFC-MW44, USTHPFFC-MW47, USTHPFFC-MW 50, USTHPFFC-MW53, USTHPFFC-MW73, and USTHPFFC-MW76) were sampled in the Northwest compound. The number of wells were increased in October 2008, to a total of 15 intermediate wells (UST1115-MW13, UST1115-MW14, UST1115-MW15, UST1115-MW17, UST1115-MW18, UST1115-

MW19, UST1115-MW20, UST1115-MW21, USTHPFFC-MW44, USTHPFFC-MW47, USTHPFFC-MW50, USTHPFFC-MW53, USTHPFFC-MW57, USTHPFFC-MW73, and USTHPFFC-MW76). Only monitoring wells that displayed compounds in excess of NCGWQS for BTEX constituents in October 2008 were sampled in March 2009. Four intermediate monitoring wells (UST1115-MW14, UST1115-MW17, UST1115-MW20, and USTHPFFC-MW47) were sampled in March 2009.

Concentrations of COCs decreased in intermediate monitoring wells UST1115-MW13, UST1115-MW20, and UST1115-MW21, and increased in UST1115-MW14 and UST1115-MW17, and USTHPFFC-MW47 from the August 2007 monitoring event to the October 2008 monitoring event. The benzene concentrations do not change significantly from the October 2008 to the March 2009 sampling event with the exception of a big rise in monitoring well UST1115-MW20 (7,670 µg/L to 14,300 µg/L) and a big drop in monitoring well UST1115-MW14 (1,050 µg/L to 99.4 µg/L). The existing HPFF Northwest compound AS/SVE system appears to have decreased concentrations of COCs in the intermediate monitoring wells as the AS/SVE continues. However, higher dissolved contaminant concentrations in some of the intermediate wells (UST1115-MW14, UST1115-MW20, and USTHPFFC-MW47) have been observed.

Groundwater natural attenuation parameters and analytical results from the intermediate Type III monitoring wells for the October 2008 and March 2009 sampling events are presented in *Tables 4.4, 4.5, 4.6, and 4.7.* Historical groundwater analytical results are provided in *Appendix B.*

5.3.1.3 ***Deep Monitoring Wells***

During the August 2007 sampling event, 9 deep wells (UST1115-22, UST1115-23, UST1115-24, UST1115-25, USTHPFFC-13, USTHPFFC-43, USTHPFFC-55, USTHPFFC-56, and USTHPFFC-74) were sampled in the Northwest compound. The number of wells was increased in October 2008, to a total of 13 deep wells (UST1115-MW22, UST1115-MW23, UST1115-MW24, UST1115-MW25, USTHPFFC-MW13, USTHPFFC-MW39, USTHPFFC-MW43, USTHPFFC-MW45, USTHPFFC-MW49, USTHPFFC-MW52, USTHPFFC-MW55, USTHPFFC-MW56, USTHPFFC-MW58, and USTHPFFC-MW74). Only monitoring wells that displayed compounds in excess of NCGWQS for BTEX constituents in October 2008 were sampled in March 2009. Three deep monitoring wells (UST1115-MW22, USTHPFFC-MW13, and USTHPFFC-MW45) were sampled in March 2009.

Concentrations of COCs decreased in deep monitoring well UST1115-MW22 and increased in deep monitoring well USTHPFFC-MW13 from the August 2007 monitoring event to the October 2008 monitoring event. The benzene concentrations do not change significantly from the October 2008 to the March 2009 sampling event with the exception of a drop in monitoring

well USTHPFFC-MW13 (99.9 µg/L to <1.0 µg/L). In addition, benzene concentrations below the laboratory detection limits (BDL) were observed in monitoring wells USTHPFFC-MW39, USTHPFFC-MW49, USTHPFFC-MW52, and USTHPFFC-MW58 in October 2008 which were not sampled in August 2007.

A reduction in dissolved contaminant concentrations in the deep well UST1115-MW22 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 October 2008 and March 2009 sampling event are presented in *Tables 4.4, 4.5, 4.6, and 4.7.* 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 Building 1115/Northwest Compound area of the site with the exception of UST1115GT-MW05 which had 0.05 feet of product reported in October 2008. This is evidenced by the absence of AFVR events dating back to 2000 and the decreasing trend of dissolved COCs in the shallow surficial aquifer. The existing HPFF Northwest compound AS/SVE system appears to have decreased concentrations of COCs in the shallow monitoring wells as the AS/SVE continues.

The "intermediate" (50 to 70 feet bls) zone continues to display the highest dissolved concentrations of COCs. 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.

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 August 2007 sampling event, 20 shallow wells (HPFF-MW01, USTHPFF-MW06, USTHPFF-MW09, USTHPFF-MW10R, USTHPFF-MW11, 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 1101-MW01) were sampled. To better define the horizontal extent of contamination in the Southeast

compound area the number of wells were increased in October 2008, to a total of 44 shallow wells (HPFF-MWA, USTHPFF-MW02, USTHPFF-MW03, USTHPFF-MW04, USTHPFF-MW06, USTHPFF-MW09, USTHPFF-MW10R, USTHPFF-MW15, USTHPFF-MW17A, USTHPFF-MW19, USTHPFFC-MW01, USTHPFFC-MW02, USTHPFFC-MW03, USTHPFFC-MW04, USTHPFFC-MW05, USTHPFFC-MW14, USTHPFFC-MW15, USTHPFFC-MW17, USTHPFFC-MW19, USTHPFFC-MW20, USTHPFFC-MW21, USTHPFFC-MW22, USTHPFFC-MW24, USTHPFFC-MW28, USTHPFFC-MW29, USTHPFFC-MW30, USTHPFFC-MW31, USTHPFFC-MW34, USTHPFFC-MW35, USTHPFFC-MW38, USTHPFFC-MW40, USTHPFFC-MW41, USTHPFFC-MW42, USTHPFFC-MW68, USTHPFF-RW01, USTHPFF-RW04, 1101-MW01, 1101-MW02, 101-MW03, IR78-GW12, IR78-GW16, IR78-GW17-01, IR78-GW21, and IR78-GW22-01). Only monitoring wells that displayed compounds in excess of NCGWQS for BTEX constituents in October 2008 were sampled in March 2009. Twenty shallow monitoring wells (HPFF-MWA, USTHPFF-MW02, USTHPFF-MW06, USTHPFF-MW10R, USTHPFF-MW15, USTHPFF-MW17A, USTHPFFC-MW14, USTHPFFC-MW17, USTHPFFC-MW19, USTHPFFC-MW20, USTHPFFC-MW22, USTHPFFC-MW24, USTHPFFC-MW28, USTHPFFC-MW29, USTHPFFC-MW30, USTHPFFC-MW41, USTHPFFC-MW42, USTHPFF-RW01, USTHPFF-RW04, and IR78-GW22-01) were sampled in March 2009. Monitoring wells USTHPFF-MW01, USTHPFF-MW18, USTHPFFC-MW72, USTHPFF-RW02, and USTHPFF-RW03 were not sampled in October 2008 due to the presence of free product. These monitoring wells have always either had free product or high dissolved concentrations. Monitoring wells USTHPFF-MW11, USTHPFFC-MW25, USTHPFFC-MW32, and USTHPFFC-MW33 were not sampled in October 2008 due to being dry.

Concentrations of COCs decreased in shallow monitoring wells USTHPFF-MW10R, USTHPFF-MW15, and USTHPFFC-MW19 and increased in monitoring wells USTHPFF-MW01, USTHPFF-MW17A, USTHPFF-MW18, USTHPFFC-MW15, and USTHPFFC-MW20 from the August 2007 monitoring event to the October 2008 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. However, high concentrations of COCs were detected in monitoring wells USTHPFF-MWA, USTHPFF-MW02, USTHPFFC-MW22, USTHPFFC-MW28, USTHPFFC-MW29, USTHPFFC-MW30, USTHPFFC-MW41, USTHPFF-RW01, USTHPFF-RW04, and IR78-GW22-01 in October 2008 which were not sampled in August 2007.

Groundwater natural attenuation parameters and analytical results from the shallow monitoring wells for the October 2008 and March 2009 sampling event are presented in *Tables 4.8, 4.9, 4.10, and 4.11*. Historical groundwater analytical results are provided in *Appendix B.*

5.3.2.2 ***Intermediate Monitoring Wells***

During the August 2007 sampling event, 9 intermediate monitoring wells (HPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, USTHPFFC-MW60, USTHPFFC-MW63, USTHPFFC-MW66, USTHPFFC-MW70, and USTHPFFC-MW77) were sampled in the Southeast compound. The number of wells was increased in October 2008, to a total of 11 intermediate monitoring wells (HPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, USTHPFFC-MW60, USTHPFFC-MW63, USTHPFFC-MW64, USTHPFFC-MW66, USTHPFFC-MW69, USTHPFFC-MW70, and USTHPFFC-MW77). Only monitoring wells that displayed compounds in excess of NCGWQS for BTEX constituents in October 2008 were sampled in March 2009. Two intermediate monitoring wells (HPFFC-MW08 and USTHPFFC-MW60) were sampled in March 2009.

Concentrations of COCs decreased in intermediate monitoring wells USTHPFFC-MW08, USTHPFFC-MW60, and USTHPFFC-MW66 and no increases from the August 2007 monitoring event to the October 2008 monitoring event. As in the shallow wells these changes in concentrations have decreased the overall size of the plume. The remainder of the intermediate monitoring wells were BDL.

Monitoring well USTHPFFC-MW08 decreased in COC concentrations and monitoring well USTHPFFC-MW60 increased in COC concentrations from October 2008 to March 2009. 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 October 2008 and March 2009 sampling event are presented in *Tables 4.8, 4.9, 4.10, and 4.11*. Historical groundwater analytical results are provided in *Appendix B.*

5.3.2.3 ***Deep Monitoring Wells***

During the August 2007 sampling event, 10 deep monitoring wells (HPFFC-MW10, USTHPFFC-MW11, USTHPFFC-MW12, USTHPFFC-MW59, USTHPFFC-MW61, USTHPFFC-MW71, GW17-02, GW31-02, GW32-02, and GW32-03) were sampled in the Southeast compound. The number of wells was increased in October 2008, to a total of 14 deep monitoring wells (HPFFC-MW10, USTHPFFC-MW11, USTHPFFC-MW12, USTHPFFC-MW59, USTHPFFC-MW61, USTHPFFC-MW62, USTHPFFC-MW65, USTHPFFC-MW67, USTHPFFC-MW71, USTHPFFC-MW78, GW17-02, GW31-02, GW31-03, GW32-02, and GW32-03). Only monitoring wells that displayed compounds in excess of NCGWQS for BTEX

constituents in October 2008 were sampled in March 2009. Two deep monitoring wells (HPFFC-MW12 and GW32-02) were sampled in March 2009.

Concentrations of COCs decreased in deep monitoring wells GW32-02 and GW32-03, and slightly increased in monitoring wells USTHPFFC-MW12 and USTHPFFC-MW59 from the August 2007 monitoring event to the October 2008 monitoring event. As in the intermediate wells these changes in concentrations have decreased the overall size of the plume. The remainder of the intermediate monitoring wells were BDL.

Monitoring wells USTHPFFC-MW12 and GW32-02 increased from October 2008 to March 2009. 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 October 2008 and March 2009 sampling event are presented in *Tables 4.8, 4.9, 4.10, and 4.11.* 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 USTHPFF-MW01, USTHPFF-MW18, USTHPFFC-MW72, USTHPFF-RW02, and USTHPFF-RW03 and recovery well 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 and USTHPFF-MW12 during this monitoring period.

AFVR events in select wells have reduced free product thickness in the wells during the 2008 and 2009 monitoring period. The thickness ranged from sheen to 12.17 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. However, recovery well (USTHPFF-MW75) 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 NCGWQS 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 95 percent of the time at 14 gpm. The pump was replaced in November 2008. The groundwater treatment plant accommodates the groundwater withdrawn from Well USTHPFF-MW75. The treatment plant effluent is tested monthly and has met the permitted discharge parameters. Pumping well USTHPFF-MW75 was designated to provide hydraulic containment of the intermediate zone plume. Well USTHPFF-MW75 is 80 feet deep, screened between 55 and 75 feet, and the pump is set at 75 feet.

6.0 *RECOMMENDATIONS*

6.1 BIOPULSE

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 three 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 2009, no above normal FID readings have been detected within Building 1101 or the other five buildings during bio-pulse events. Shaw recommends reducing the air monitoring from weekly to a monthly basis in Building 1101 and the other five buildings.

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 DO 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, DO, and oxidation-reduction parameters (ORP).

The following 26 monitoring wells should be sampled during the October 2009 semi-annual monitoring event scheduled and all of the wells that indicate detected BTEX constituents should be sampled during the March 2010 semi-annual monitoring event:

Type II shallow monitoring wells: Twenty-one monitoring wells (UST1115GT-MW01, UST1115GT-MW03, UST1115GT-MW05, UST1115GT-MW06, UST1115GT-MW07, UST1115GT-MW08, UST1115GT-MW09, UST1115-MW02, UST1115-MW03, UST1115-MW04, UST1115-MW06, UST1115-MW07, UST1115-MW09, UST1115-MW11, UST1115k-MW12, IR78-GW19, IR78-GW22-2, USTHPFFC-MW23, USTHPFFC-MW24, USTHPFF-MW12 and USTHPFF-MW20) 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: Eleven monitoring wells (UST1115-MW13, UST1115-MW14, UST1115-MW15, UST1115-MW17, UST1115-MW18, UST1115-MW19, UST1115-MW20, UST1115-MW21, USTHPFFC-MW47, USTHPFFC-MW57, and USTHPFFC-MW73) 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: Five monitoring wells (UST1115-MW22, UST1115-MW23, UST1115-MW24, UST1115-MW25, USTHPFFC-MW13, USTHPFFC-MW45, USTHPFFC-MW56, USTHPFFC-MW58 and USTHPFFC-MW59) 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 2009-2010 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 six monitoring wells will be gauged bi-weekly for the presence of free-phase product: USTHPFF-MW01, USTHPFF-

MW18, USTHPFFC-MW15, USTHPFFC-MW72, USTHPFF-RW02, and USTHPFF-RW03. Well USTHPFFC-MW72 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 DO 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, DO, and oxidation-reduction parameters (ORP)

The following 40 monitoring wells should be sampled during the October 2009 semi-annual monitoring event and all of the wells that indicate detected BTEX constituents should be sampled during the March 2010 semi-annual monitoring event:

Type II “shallow”monitoring wells: Thirty monitoring wells (USTHPFFC-MW01, USTHPFFC-MW02, USTHPFFC-MW03, USTHPFFC-MW05, USTHPFFC-MW14, USTHPFFC-MW15, USTHPFFC-MW19, USTHPFFC-MW20, USTHPFFC-MW22, USTHPFFC-MW28, USTHPFFC-MW29, USTHPFFC-MW30, USTHPFFC-MW31, USTHPFFC-MW38, USTHPFFC-MW41, USTHPFFC-MW42, USTHPFFC-MW68, USTHPFFC-MW72, USTHPFF-MW01, USTHPFF-MW02, USTHPFF-MW03, USTHPFF-MW06, USTHPFF-MW09, USTHPFF-MW10R, USTHPFF-MW15, USTHPFF-MW17, USTHPFF-MW18, USTHPFF-MW19, USTHPFF-RW01 and IR78-GW13) 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: Eight monitoring wells (USTHPFFC-MW06, USTHPFFC-MW07, USTHPFFC-MW08, USTHPFFC-MW09, USTHPFFC-MW60, USTHPFFC-MW63, USTHPFFC-MW64 and USTHPFFC-MW69) 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: Eleven monitoring wells (USTHPFFC-MW10, USTHPFFC-MW11, USTHPFFC-MW12, USTHPFFC-MW61, USTHPFFC-MW62, USTHPFFC-MW65, USTHPFFC-MW67, USTHPFFC-MW78, IR78-GW17-02, 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 2009-2010 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 October 2009 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.

Continued operation of the southeast GWTP at 30 gpm is recommended to ensure containment of the contaminant plume.

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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TABLES

TABLE 2.1*
MCB CAMP LEJEUNE
Site Rehabilitation Goals

MEDIUM	COMPONENTS	2004 CONDITIONS	2005 CONDITIONS	2006 CONDITIONS	2007 CONDITIONS	2008 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)	Free product up to 1.29' (16R), and 12.2' (HPFF-72)	$\leq$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.					$\leq$10 mg/kg $\leq$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	22,700 µg/l 3,280 µg/l 29,300 µg/l 14,600 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	

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
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	
05/01/08	9:50	61193	27	7900	554	663	0.14	8.51	18866.82	
05/08/08	16:30	61344	29	7800	562	645	0.15	8.90	18921.60	
05/14/08	9:40	61475	24	8100	564	667	0.13	7.62	18966.70	
05/20/08	14:35	61622	21	7800	572	633	0.11	6.33	19009.44	
05/28/08	12:15	61811	23	8100	562	669	0.12	7.33	19063.22	
06/06/08	10:55	62027	28	8300	576	669	0.15	8.92	19136.34	
06/11/08	11:15	62063	25	7900	579	634	0.13	7.54	19148.69	
06/18/08	12:35	62229	21	7900	564	651	0.11	6.50	19197.26	
06/25/08	12:10	62398	28	8200	581	656	0.15	8.74	19250.93	
06/30/08	15:30	62520	23	8200	578	659	0.12	7.21	19291.47	07/06 no readings
07/17/08	16:00	62893	17	8300	575	671	0.09	5.43	19389.69	07/13 no readings
07/22/08	13:45	63008	22	8500	582	679	0.12	7.11	19419.71	
07/29/08	13:05	63124	0	8100	578	651	0.00	0.00	19436.88	
08/16/08	9:00	63328	29	8500	567	697	0.15	9.61	19477.74	08/8 no readings
08/21/08	11:50	63529	24	8300	574	672	0.13	7.67	19550.13	08/29 no readings
09/03/08	8:45	63718	31	8400	571	684	0.16	10.08	19620.05	
09/10/08	9:00	63928	27	8500	570	693	0.14	8.90	19703.12	
09/17/08	8:30	64145	29	8500	570	693	0.15	9.56	19786.61	
09/24/08	8:45	64376	26	8500	571	692	0.14	8.56	19873.82	
09/30/08	9:00	64643	12	8600	571	700	0.06	4.00	19943.66	
10/09/08	9:05	64676	10	8600	571	700	0.05	3.33	19948.70	
10/17/08	10:14	64710	0	8802	571	716	0.00	0.00	19951.08	
10/21/08	9:45	64806	0	8400	562	695	0.00	0.00	19951.08	
10/30/08	12:00	64948	1	8300	561	687	0.01	0.39	19952.24	
11/08/08	9:14	65132	2	8500	543	727	0.01	0.62	19956.14	
11/14/08	15:02	65176	1	7800	574	630	0.01	0.36	19957.03	

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
11/20/08	12:03	65256	6	8200	574	663	0.03	1.99	19960.94	
11/24/08	13:15	65269	10	7550	567	620	0.05	2.98	19962.32	
12/04/08	10:45	65478	0	7600	571	617	0.00	0.00	19975.29	12/10 no readings
12/19/08	17:20	65729	0	9000	563	743	0.00	0.07	19975.66	
12/31/08	9:20	65850	8	4000	551	337	0.04	1.25	19979.00	
01/08/09	10:10	65936	0	1500	548	127	0.00	0.00	19981.25	01/16 no readings 1/23 and 1/28 system down
02/06/09	14:20	66175	1	7958	545	673	0.01	0.42	19983.32	
02/13/09	11:15	66382	2	8000	546	679	0.01	0.78	19988.46	
02/19/09	10:15	66382	4	7500	554	624	0.02	1.13	19988.46	
02/27/09	10:45	66453	3	8600	553	717	0.02	1.16	19991.85	
03/06/09	14:30	66495	5	8600	554	715	0.03	1.84	19994.47	
03/11/09	13:55	66591	2	925	567	76	0.01	0.07	19998.29	
03/27/09	10:20	66863	0	500	560	41	0.00	0.00	19998.70	System down no readings 3/19
04/06/09	11:00	67026	18	8100	555	678	0.10	5.81	20018.43	
04/23/09	11:30	67333	4	9000	556	746	0.02	1.38	20064.44	
04/30/09	11:30	67426	11	8550	556	712	0.06	3.71	20074.36	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

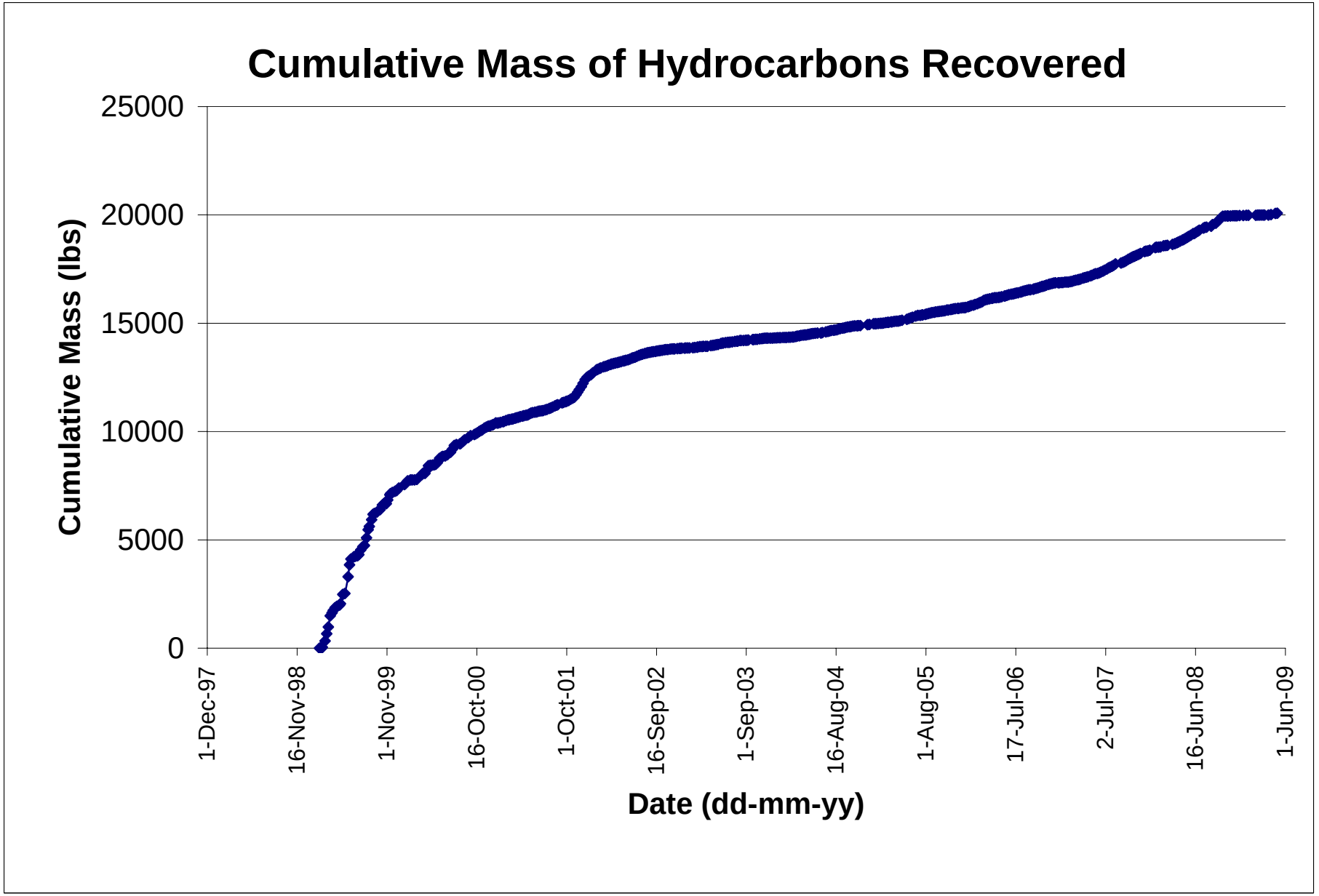

Cumulative Mass of Hydrocarbons Recovered
Cumulative Mass (lbs)
25000
20000
15000
10000
5000
0
1-Dec-97
16-Nov-98
1-Nov-99
16-Oct-00
1-Oct-01
16-Sep-02
1-Sep-03
16-Aug-04
1-Aug-05
17-Jul-06
2-Jul-07
16-Jun-08
1-Jun-09
Date (dd-mm-yy)

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	

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
01/24/08	15:30	12078	122	9200	541	1830	0.65	106.24	1,305,036.26	
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	
05/01/08	10:30	14189	198	9100	567	1728	1.05	162.80	1,312,521.59	
05/08/08	13:10	14359	212	9500	577	1773	1.13	178.91	1,313,326.03	
05/14/08	10:50	14476	194	9100	573	1709	1.03	157.84	1,314,118.79	
05/20/08	16:25	14584	259	9600	579	1786	1.38	220.16	1,315,008.68	
05/28/08	13:05	14474	163	9600	575	1798	0.87	139.52	1,315,855.43	
06/06/08	11:50	14976	291	10200	588	1869	1.55	258.80	1,316,793.14	
06/11/08	12:30	15097	250	9900	586	1819	1.33	216.48	1,317,912.04	
06/18/08	13:45	15265	274	9600	580	1782	1.46	232.34	1,318,968.65	
06/25/08	11:00	15433	246	10100	587	1852	1.31	216.85	1,320,026.11	
06/30/08	16:05	15555	178	9900	586	1819	0.95	154.06	1,320,899.30	07/06 no readings
07/18/08	11:50	15984	172	10100	583	1865	0.91	152.66	1,321,621.36	07/13 no readings
07/22/08	14:25	16080	206	10300	591	1877	1.10	184.06	1,322,414.06	
07/29/08	14:15	16250	186	10100	588	1850	0.99	163.80	1,323,232.97	
08/16/08	9:45	16612	164	9900	576	1851	0.87	144.44	1,323,958.62	08/8 no readings
08/21/08	13:35	16734	172	10200	583	1886	0.91	154.35	1,324,662.04	08/29 no readings
09/03/08	11:00	16851	173	9900	577	1847	0.92	152.11	1,325,383.50	
09/10/08	10:00	16970	169	9900	577	1848	0.90	148.62	1,326,091.47	
09/17/08	14:00	17248	186	9900	575	1854	0.99	164.10	1,326,827.68	

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
09/24/08	9:00	17393	177	9900	575	1854	0.94	156.20	1,327,581.73	
09/30/08	8:30	17507	175	8000	574	1497	0.93	124.68	1,328,242.99	
10/09/08	8:10	17652	162	8000	573	1500	0.86	115.62	1,328,808.71	
10/17/08	8:25	17833	80	8000	572	1502	0.42	56.91	1,329,214.89	
10/21/08	8:40	17925	64	8000	568	1513	0.34	45.86	1,329,456.83	
10/30/08	12:35	18081	42	8000	566	1518	0.22	30.27	1,329,636.05	11/08 no readings
11/20/08	10:56	18218	11	9000	563	1792	0.06	9.21	1,329,728.99	11/14 no readings
11/25/08	9:10	18336	36	9000	561	1804	0.19	31.26	1,329,824.26	
12/04/08	9:00	18552	0	1200	558	242	0.00	0.00	1,329,897.84	
12/11/08	10:00	18209	69	13000	573	2540	0.37	83.65	1,330,094.78	
12/19/08	8:54	18885	204	1300	561	260	1.08	25.25	1,330,351.16	
12/31/08	8:45	19168	146	1400	563	283	0.78	19.69	1,330,456.96	
01/08/09	9:15	19310	97	1500	557	301	0.52	13.90	1,330,536.04	01/16 no readings 1/23 and 1/28 system down
02/12/09	8:30	19631	158	1500	574	297	0.84	22.38	1,330,621.45	02/6 no readings system down
02/19/09	9:01	19739	250	11000	558	2099	1.33	249.70	1,331,261.97	
02/27/09	10:00	19919	248	98000	559	18671	1.32	2203.84	1,337,038.00	
03/06/09	13:30	20090	251	96000	558	18297	1.33	2185.76	1,347,371.86	
03/11/09	13:30	20207	108	1430	572	272	0.57	13.96	1,352,550.38	
03/19/09	11:35	20398	130	1350	572	251	0.69	15.53	1,352,619.80	
03/27/09	9:00	20587	102	1780	575	329	0.54	15.96	1,352,693.92	
04/06/09	9:30	20829	127	1800	574	333	0.68	20.13	1,352,778.86	
04/23/09	14:30	21226	0	10960	484	2412	0.00	0.00	1,352,826.25	
04/30/09	14:30	21347	64	6380	529	1283	0.34	38.76	1,352,917.51	Extrapolated Data

Notes:

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

C: vapor concentration (mg/l)

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

Q: vapor flowrate (SCFM)

$M = Q \times C \times 0.0895$

M: hydrocarbon recovery rate (lb/day)

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

$PPM_{measured:}$ FID reading (PPM)
K: number of carbon atoms in calibration gas (1 in methane)
TH: total hydrocarbons calculated as gasoline (GRO)

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)

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

* Estimated value due to malfunctionng instrument

Cumulative Mass of Hydrocarbons Recovered

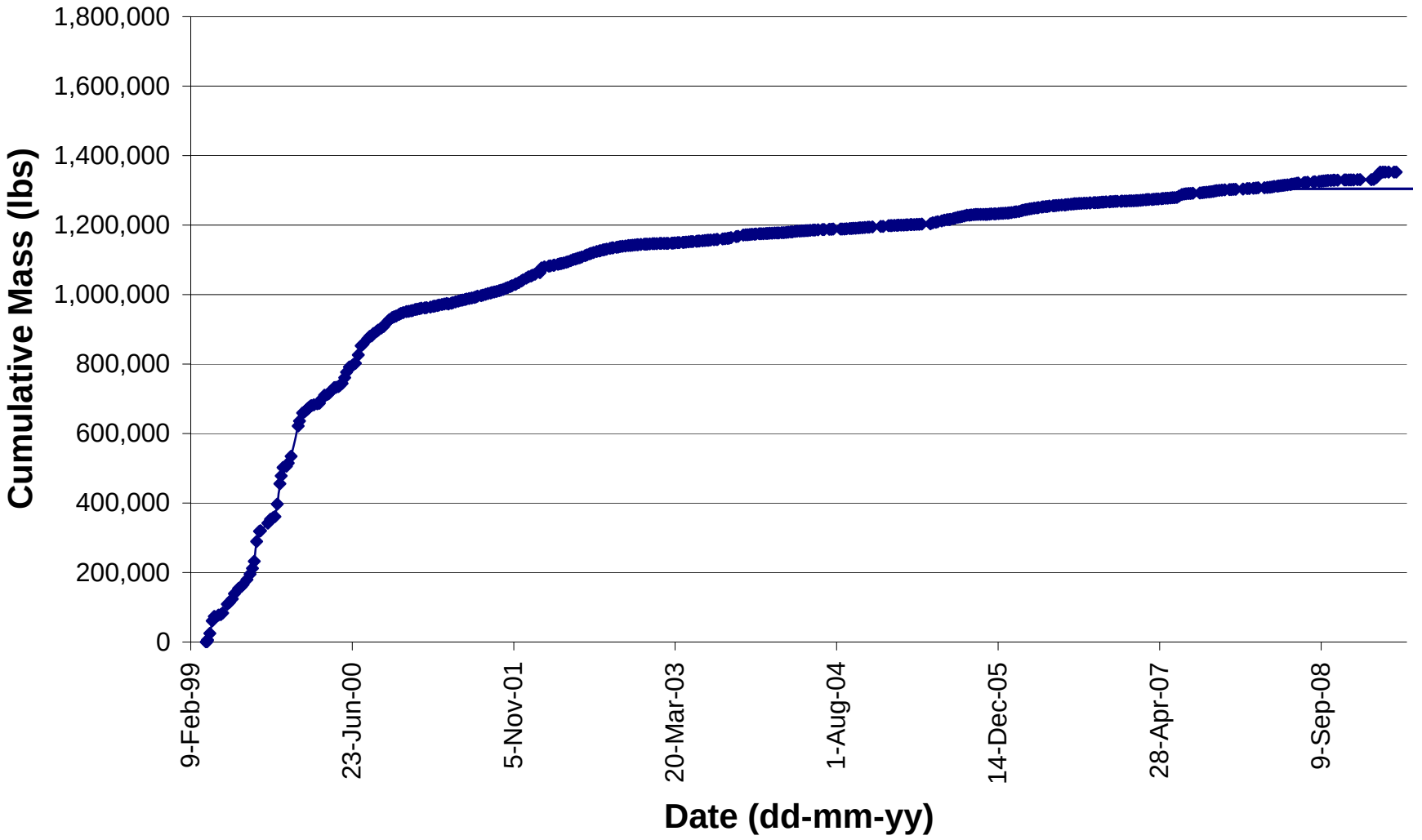


Table 4.1

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	Oct-08	10.42	15.82	Mar-09	NM	NM
UST1115-MW02	shallow	25.73	Oct-08	10.11	15.62	Mar-09	NM	NM
UST1115-MW03	shallow	25.66	Oct-08	9.16	16.50	Mar-09	NM	NM
UST1115-MW04	shallow	27.01	Oct-08	4.80	22.21	Mar-09	NM	NM
UST1115-MW05	shallow	26.06	Oct-08	dry	dry	Mar-09	NM	NM
UST1115-MW06	shallow	27.83	Oct-08	11.14	16.69	Mar-09	NM	NM
UST1115-MW07	shallow	25.84	Oct-08	8.03	17.81	Mar-09	8.00	17.84
UST1115-MW08	shallow	10.94	Oct-08	11.08	0.00	Mar-09	NM	NM
UST1115-MW09	shallow	27.98	Oct-08	11.55	16.43	Mar-09	9.43	18.55
UST1115-MW10	shallow	25.58	Oct-08	7.00	18.58	Mar-09	NM	NM
UST1115-MW11	shallow	27.64	Oct-08	10.69	16.95	Mar-09	NM	NM
UST1115-MW12	shallow	25.56	Oct-08	7.35	18.21	Mar-09	4.78	20.78
UST1115GT-MW01	shallow	26.31	Oct-08	4.20	22.11	Mar-09	NM	NM
UST1115GT-MW02	shallow	26.35	Oct-08	dry	dry	Mar-09	NM	NM
UST1115GT-MW03	shallow	26.18	Oct-08	8.71	17.47	Mar-09	4.14	22.04
UST1115GT-MW04	shallow	26.06	Nov-08	6.80	19.26	Mar-09	6.30	19.76
UST1115GT-MW05	shallow	26.08	Nov-08	Product	NA	Mar-09	NM	NM
UST1115GT-MW06	shallow	26.05	Oct-08	5.71	20.34	Mar-09	4.79	21.26
UST1115GT-MW07	shallow	25.94	Oct-08	8.03	17.91	Mar-09	NM	NM
UST1115GT-MW08	shallow	26.64	Oct-08	6.86	19.78	Mar-09	NM	NM
UST1115GT-MW09	shallow	25.98	Oct-08	6.41	19.57	Mar-09	NM	NM
USTHPFF-MW12	shallow	28.66	Oct-08	7.02	21.64	Mar-09	6.18	22.48
USTHPFF-MW16	shallow	27.60	Oct-08	dry	dry	Mar-09	NM	NM
USTHPFFC-MW16	shallow	27.17	Oct-08	8.34	18.83	Mar-09	7.71	19.46
USTHPFF-MW20	shallow	29.77	Oct-08	8.62	21.15	Mar-09	NM	NM
USTHPFFC-MW23	shallow	26.07	Oct-08	7.47	18.60	Mar-09	NM	NM
USTHPFFC-MW27	shallow	0.00	Oct-08	dry	dry	Mar-09	NM	NM
USTHPFFC-MW36	shallow	26.18	Oct-08	9.80	16.38	Mar-09	NM	NM
USTHPFFC-MW37	shallow	25.76	Oct-08	8.56	17.20	Mar-09	NM	NM
USTHPFFC-MW46	shallow	24.46	Oct-08	11.17	13.29	Mar-09	NM	NM
USTHPFFC-MW48	shallow	22.98	Oct-08	9.10	13.88	Mar-09	NM	NM
USTHPFFC-MW51	shallow	27.32	Oct-08	12.70	14.62	Mar-09	NM	NM
USTHPFFC-MW54	shallow	27.13	Oct-08	6.19	20.94	Mar-09	NM	NM
USTHPFFC-MW58	shallow	25.94	Oct-08	10.87	15.07	Mar-09	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)
IR78-GW13	shallow	26.20	Oct-08	12.82	13.42	Mar-09	NM	NM
IR78-GW14	shallow	27.32	Oct-08	9.43	16.81	Mar-09	NM	NM
IR78-GW19	shallow	29.07	Oct-08	9.07	16.66	Mar-09	NM	NM
IR78-GW20	shallow	25.33	Nov-08	10.68	14.98	Mar-09	NM	NM
IR78-GW22-2	shallow	NA	Oct-08	8.90	NA	Mar-09	8.22	NA
UST1115-MW13	intermediate	25.58	Oct-08	10.27	15.97	Mar-09	NM	NM
UST1115-MW14	intermediate	27.65	Oct-08	12.59	13.07	Mar-09	11.83	13.83
UST1115-MW15	intermediate	25.63	Oct-08	10.40	16.61	Mar-09	NM	NM
UST1115-MW17	intermediate	25.93	Oct-08	11.70	14.23	Mar-09	10.86	15.07
UST1115-MW18	intermediate	27.22	Oct-08	11.73	15.49	Mar-09	NM	NM
UST1115-MW19	intermediate	25.93	Oct-08	8.17	17.76	Mar-09	NM	NM
UST1115-MW20	intermediate	26.12	Oct-08	10.22	15.90	Mar-09	9.72	16.40
UST1115-MW21	intermediate	25.54	Oct-08	10.30	15.24	Mar-09	NM	NM
USTHPFFC-MW44	intermediate	22.17	Oct-08	9.21	12.96	Mar-09	NM	NM
USTHPFFC-MW47	intermediate	24.62	Oct-08	11.22	13.40	Mar-09	10.84	13.78
USTHPFFC-MW50	intermediate	22.69	Oct-08	9.19	13.50	Mar-09	NM	NM
USTHPFFC-MW53	intermediate	27.43	Oct-08	11.03	16.40	Mar-09	NM	NM
USTHPFFC-MW57	intermediate	25.65	Oct-08	10.20	15.45	Mar-09	NM	NM
USTHPFFC-MW73	intermediate	23.85	Oct-08	12.68	11.17	Mar-09	NM	NM
USTHPFFC-MW76	intermediate	22.79	Oct-08	9.90	12.89	Mar-09	NM	NM
UST1115-MW22	deep	27.09	Oct-08	13.32	13.77	Mar-09	12.87	14.22
UST1115-MW23	deep	27.47	Oct-08	12.53	14.94	Mar-09	NM	NM
UST1115-MW24	deep	25.92	Oct-08	12.08	13.84	Mar-09	NM	NM
UST1115-MW25	deep	25.83	Oct-08	11.37	14.46	Mar-09	NM	NM
USTHPFFC-MW13	deep	26.12	Oct-08	11.10	15.02	Mar-09	11.44	14.68
USTHPFFC-MW39	deep	24.19	Oct-08	4.13	20.06	Mar-09	NM	NM
USTHPFFC-MW43	deep	22.14	Oct-08	10.60	11.54	Mar-09	NM	NM
USTHPFFC-MW45	deep	24.47	Oct-08	11.61	12.86	Mar-09	10.96	13.51
USTHPFFC-MW49	deep	23.40	Oct-08	9.55	13.85	Mar-09	NM	NM
USTHPFFC-MW52	deep	27.37	Oct-08	12.28	15.09	Mar-09	NM	NM
USTHPFFC-MW55	deep	27.14	Oct-08	11.36	15.78	Mar-09	NM	NM
USTHPFFC-MW56	deep	25.66	Oct-08	11.80	13.86	Mar-09	NM	NM
USTHPFFC-MW74	deep	23.95	Oct-08	12.95	11.00	Mar-09	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-MWA	shallow	28.04	Nov-08	7.22	20.82	Mar-09	6.72	21.32
USTHPFF-MW01	shallow	29.87	Oct-08	Product	N/A	Mar-09	NM	NM
USTHPFF-MW02	shallow	31.48	Oct-08	13.02	18.46	Mar-09	12.91	18.57
USTHPFF-MW03	shallow	28.72	Oct-08	9.57	19.15	Mar-09	NM	NM
USTHPFF-MW04	shallow	31.30	Oct-08	11.03	20.27	Mar-09	NM	NM
USTHPFF-MW06	shallow	29.60	Oct-08	10.07	19.53	Mar-09	9.50	20.10
USTHPFF-MW09	shallow	30.47	Oct-08	8.06	22.41	Mar-09	NM	NM
USTHPFF-MW10R	shallow	33.45	Oct-08	14.41	19.04	Mar-09	14.15	19.30
USTHPFF-MW11	shallow	28.29	Oct-08	dry	dry	Mar-09	NM	NM
USTHPFF-MW15	shallow	29.79	Oct-08	10.27	19.52	Mar-09	9.91	19.88
USTHPFF-MW17A	shallow	31.60	Oct-08	13.15	18.45	Mar-09	12.55	19.05
USTHPFF-MW18	shallow	31.45	Oct-08	0.43' Product	NA	Mar-09	NM	NM
USTHPFF-MW19	shallow	32.39	Oct-08	13.81	18.58	Mar-09	NM	NM
USTHPFFC-MW01	shallow	27.96	Oct-08	5.71	22.25	Mar-09	NM	NM
USTHPFFC-MW02	shallow	29.04	Oct-08	7.95	21.09	Mar-09	NM	NM
USTHPFFC-MW03	shallow	30.82	Oct-08	11.96	18.86	Mar-09	NM	NM
USTHPFFC-MW04	shallow	30.49	Oct-08	11.11	19.38	Mar-09	NM	NM
USTHPFFC-MW05	shallow	26.93	Oct-08	8.69	18.24	Mar-09	NM	NM
USTHPFFC-MW14	shallow	26.90	Oct-08	6.21	20.69	Mar-09	6.04	20.86
USTHPFFC-MW15	shallow	27.39	Oct-08	8.29	19.10	Mar-09	NM	NM
USTHPFFC-MW17	shallow	27.55	Oct-08	6.70	20.85	Mar-09	8.36	19.19
USTHPFFC-MW19	shallow	26.21	Oct-08	6.70	19.51	Mar-09	6.83	19.38
USTHPFFC-MW20	shallow	28.29	Oct-08	9.45	18.84	Mar-09	9.43	18.86
USTHPFFC-MW21	shallow	26.85	Oct-08	5.26	21.59	Mar-09	NM	NM
USTHPFFC-MW22	shallow	26.35	Oct-08	6.15	20.20	Mar-09	5.43	20.92
USTHPFFC-MW24	shallow	30.91	Nov-08	12.33	18.58	Mar-09	12.14	18.77
USTHPFFC-MW25	shallow	30.94	Nov-08	dry	dry	Mar-09	NM	NM
USTHPFFC-MW28	shallow	27.06	Oct-08	7.82	19.24	Mar-09	7.63	19.43
USTHPFFC-MW29	shallow	27.47	Oct-08	8.23	19.24	Mar-09	7.59	19.88
USTHPFFC-MW30	shallow	26.30	Oct-08	7.78	18.52	Mar-09	6.60	19.70
USTHPFFC-MW31	shallow	27.98	Oct-08	10.31	17.67	Mar-09	NM	NM
USTHPFFC-MW32	shallow	28.66	Oct-08	dry	dry	Mar-09	NM	NM
USTHPFFC-MW33	shallow	30.29	Oct-08	dry	dry	Mar-09	NM	NM
USTHPFFC-MW34	shallow	25.65	Oct-08	9.56	16.09	Mar-09	NM	NM
USTHPFFC-MW35	shallow	26.21	Oct-08	9.35	16.86	Mar-09	NM	NM
USTHPFFC-MW38	shallow	28.94	Oct-08	10.50	18.44	Mar-09	NM	NM
USTHPFFC-MW40	shallow	27.37	Oct-08	7.66	19.71	Mar-09	NM	NM
USTHPFFC-MW41	shallow	29.09	Oct-08	10.28	18.81	Mar-09	9.82	19.27
USTHPFFC-MW42	shallow	27.24	Nov-08	8.20	19.04	Mar-09	7.71	19.53
USTHPFFC-MW68	shallow	26.94	Oct-08	7.73	19.21	Mar-08	NM	NM

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-MW72	shallow	27.44	Oct-08	0.32' Product	NA	Mar-09	NM	NM
USTHPFF-RW01	shallow	27.72	Oct-08	8.29	19.43	Mar-09	3.14	26.73
USTHPFF-RW02	shallow	27.63	Oct-08	0.01' product	NA	Mar-09	NM	NM
USTHPFF-RW03	shallow	29.86	Oct-08	0.02' product	NA	Mar-09	NM	NM
USTHPFF-RW04	shallow	24.67	Oct-08	6.88	17.79	Mar-09	6.35	24.95
UST1101-MW01	shallow	26.75	Oct-08	9.88	16.87	Mar-09	NM	NM
UST1101-MW02	shallow	26.33	Oct-08	9.95	16.38	Mar-09	NM	NM
UST1101-MW03	shallow	25.76	Oct-08	9.28	16.48	Mar-09	NM	NM
IR78-GW12	shallow	30.08	Oct-08	12.55	17.53	Mar-09	NM	NM
IR78-GW16	shallow	32.40	Oct-08	14.01	18.39	Mar-09	NM	NM
IR78-GW17-01	shallow	30.00	Oct-08	12.63	17.37	Mar-09	NM	NM
IR78-GW21	shallow	33.51	Oct-08	11.30	22.21	Mar-09	NM	NM
IR78-GW22-1	shallow	29.98	Oct-08	12.90	17.08	Mar-09	13.39	19.00
USTHPFFC-MW06	intermediate	30.43	Oct-08	12.70	17.17	Mar-09	NM	NM
USTHPFFC-MW07	intermediate	27.87	Oct-08	11.63	19.67	Mar-09	NM	NM
USTHPFFC-MW08	intermediate	34.51	Oct-08	17.48	12.12	Mar-09	18.09	12.73
USTHPFFC-MW09	intermediate	26.73	Oct-08	9.77	20.70	Mar-09	NM	NM
USTHPFFC-MW60	intermediate	26.88	Oct-08	10.66	22.79	Mar-09	9.80	17.13
USTHPFFC-MW63	intermediate	27.25	Oct-08	13.50	13.75	Mar-09	NM	NM
USTHPFFC-MW66	intermediate	27.03	Oct-08	10.62	16.41	Mar-09	NM	NM
USTHPFFC-MW69	intermediate	29.63	Oct-08	12.56	17.07	Mar-09	NM	NM
USTHPFFC-MW70	intermediate	30.39	Oct-08	12.83	17.56	Mar-09	NM	NM
USTHPFFC-MW77	intermediate	28.98	Oct-08	12.55	16.43	Mar-09	NM	NM
IR78-GW17-02	intermediate	32.14	Oct-08	15.74	16.40	Mar-09	NM	NM
USTHPFFC-MW10	deep	32.44	Oct-08	16.01	16.43	Mar-09	NM	NM
USTHPFFC-MW11	deep	32.06	Oct-08	15.98	16.08	Mar-09	NM	NM
USTHPFFC-MW12	deep	26.67	Oct-08	11.38	15.29	Mar-09	11.50	19.44
USTHPFFC-MW59	deep	27.58	Oct-08	11.73	15.85	Mar-09	NM	NM
USTHPFFC-MW61	deep	27.08	Oct-08	10.70	16.38	Mar-09	NM	NM
USTHPFFC-MW62	deep	26.86	Oct-08	11.78	15.08	Mar-09	NM	NM
USTHPFFC-MW65	deep	29.60	Oct-08	13.50	16.10	Mar-09	NM	NM
USTHPFFC-MW67	deep	27.01	Nov-08	11.49	15.52	Mar-09	NM	NM
USTHPFFC-MW71	deep	30.30	Oct-08	14.01	16.29	Mar-09	NM	NM
USTHPFFC-MW75	deep	28.43	Oct-08	pumping	well	Mar-09	NM	NM
USTHPFFC-MW78	deep	28.07	Oct-08	12.20	15.87	Mar-09	NM	NM
IR78-GW31-02	deep	26.24	Oct-08	11.63	14.61	Mar-09	NM	NM
IR78-GW31-03	deep	25.99	Oct-08	11.46	14.53	Mar-09	NM	NM
IR78-GW32-02	deep	26.77	Oct-08	11.03	15.74	Mar-09	10.55	18.54
IR78-GW32-03	deep	26.30	Oct-08	11.03	15.27	Mar-09	NM	NM

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 **Oct 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-MW03	UST1115-MW04	UST1115-MW05	UST1115-MW06	UST1115-MW07	UST1115-MW08
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		10/29/08	10/24/08	10/27/08	10/23/08	10/24/08	10/23/08	10/27/08	10/23/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	10.42	10.11	9.16	4.80	dry	11.14	8.03	11.08
pH	-	4.79	5.52	5.49	5.42	dry	4.04	6.46	4.07
Conductivity	mS/m	0.148	0.700	0.334	0.220	dry	0.885	0.257	0.251
Turbidity	NTU	43.3	313	115	35	dry	18.1	10.6	398.8
Dissolved Oxygen	mg/L	1.43	7.26	4.81	1.45	dry	0.40	2.17	7.04
Temperature	^{o}C	24.41	23.77	23.26	18.96	dry	21.70	22.65	20.01
Oxidation-Reduction Potential	mV	35.0	181.5	0.1	-9.3	dry	195.1	-181.6	67.0

Table 4.4 Analytical Data Summary

NW Sampling Event **Oct 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-MW09	UST1115-MW10	UST1115-MW11	UST1115-MW12	UST1115GT-MW01	UST1115GT-MW02	UST1115GT-MW03	UST1115GT-MW04
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		10/22/08	10/23/08	10/23/08	10/23/08	10/23/08	10/23/08	10/23/08	11/7/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	11.55	7.00	10.69	7.35	4.20	dry	8.71	6.80
pH	-	5.42	4.94	3.96	5.86	4.49	dry	6.13	NM
Conductivity	mS/m	0.182	0.172	0.267	0.690	0.187	dry	0.995	NM
Turbidity	NTU	5.9	83.8	212.2	62.7	814.1	dry	16.0	NM
Dissolved Oxygen	mg/L	1.02	3.36	1.20	8.08	4.02	dry	2.08	NM
Temperature	^{o}C	21.35	27.74	21.82	26.23	25.69	dry	24.20	NM
Oxidation-Reduction Potential	mV	-6.0	4.6	1.3	17.4	4.0	dry	-101.2	NM

Table 4.4 Analytical Data Summary

NW Sampling Event **Oct 2008 NW Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		UST1115GT-MW05	UST1115GT-MW06	UST1115GT-MW07	UST1115GT-MW08	UST1115GT-MW09	USTHPFF-MW12	USTHPFF-MW16	USTHPFF-MW20
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		10/23/08	10/23/08	10/21/08	10/21/08	10/21/08	10/21/08	10/20/08	10/30/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	Free Product	5.71	8.03	6.86	6.41	7.02	dry	8.62
pH	-	Free Product	6.05	5.15	5.92	5.30	5.06	dry	5.14
Conductivity	mS/m	Free Product	1.071	0.557	0.506	0.341	1.107	dry	0.184
Turbidity	NTU	Free Product	86.8	120.0	1325.0	32.3	21.0	dry	6.6
Dissolved Oxygen	mg/L	Free Product	2.89	0.37	5.82	0.97	1.40	dry	1.35
Temperature	^{o}C	Free Product	27.64	24.34	23.08	22.63	22.32	dry	19.23
Oxidation-Reduction Potential	mV	Free Product	-42.5	112.4	7.1	18.9	76.7	dry	-32.3

Table 4.4 Analytical Data Summary

NW Sampling Event **Oct 2008 NW Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFFC-MW16	USTHPFFC-MW23	USTHPFFC-MW27	USTHPFFC-MW36	USTHPFFC-MW37	USTHPFFC-MW46	USTHPFFC-MW48
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		10/27/08	10/27/08	11/3/08	10/29/08	10/29/08	10/24/08	10/24/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result
Field Parameters								
Depth to Water	feet	8.34	7.47	dry	9.80	8.56	4.13	9.10
pH	-	6.33	6.32	dry	5.50	5.49	4.14	6.11
Conductivity	mS/m	1.308	1.066	dry	0.662	0.106	0.594	0.318
Turbidity	NTU	122	455	dry	35.4	36.3	46.4	265.8
Dissolved Oxygen	mg/L	1.55	4.92	dry	6.04	4.60	4.30	7.06
Temperature	^{o}C	22.87	26.68	dry	22.38	21.11	21.75	19.95
Oxidation-Reduction Potential	mV	-94.0	-31.0	dry	171.1	16.5	268.8	-36.8

Table 4.4 Analytical Data Summary

NW Sampling Event **Oct 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-MW51	USTHPFFC-MW54	IR78-GW13	IR78-GW14	IR78-GW19	IR78-GW20	IR78-GW22-2	UST1115-MW13
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate
Date Sampled:		10/23/08	10/22/08	10/24/08	10/29/08	10/23/08	11/3/08	10/21/08	10/23/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	12.70	6.19	12.82	9.43	9.07	10.68	8.90	10.27
pH	-	4.85	6.08	4.44	4.60	3.96	5.08	5.78	5.50
Conductivity	mS/m	0.755	0.771	0.583	0.931	0.220	0.195	0.715	1.049
Turbidity	NTU	16.3	635.5	24.7	396.1	486.2	0.6	30.0	5.1
Dissolved Oxygen	mg/L	0.74	1.74	4.71	6.75	1.41	1.84	0.40	0.79
Temperature	^{o}C	19.04	20.13	21.06	21.47	19.57	19.23	22.41	24.92
Oxidation-Reduction Potential	mV	163.9	-17.7	311.9	201.1	110.8	-41.0	9.7	115.6

Table 4.4 Analytical Data Summary

NW Sampling Event **Oct 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-MW19	UST1115-MW20	UST1115-MW21	USTHPFFC-MW44
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Date Sampled:		10/23/08	10/23/08	10/23/08	10/21/08	10/27/08	10/27/08	10/24/08	10/24/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	12.59	10.40	11.70	11.73	8.17	10.22	10.30	9.21
pH	-	3.50	6.78	3.87	6.36	6.93	6.26	5.58	7.35
Conductivity	mS/m	0.732	0.769	2.644	1.532	0.147	0.383	0.140	1.094
Turbidity	NTU	5.3	10.3	4.8	151	0	142.9	42	1.2
Dissolved Oxygen	mg/L	1.07	8.71	1.28	0.90	3.00	4.83	4.03	3.25
Temperature	^{o}C	20.90	24.76	17.50	21.03	21.80	82.06	22.06	20.36
Oxidation-Reduction Potential	mV	61.5	9.9	57.3	-77.4	-35.4	-50.1	35.8	49.3

Table 4.4 Analytical Data Summary

NW Sampling Event **Oct 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-MW47	USTHPFFC-MW50	USTHPFFC-MW53	USTHPFFC-MW57	USTHPFFC-MW73	USTHPFFC-MW76	UST1115-MW22	UST1115-MW23
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep
Date Sampled:		10/24/08	10/24/08	10/22/08	10/29/08	10/24/08	10/29/08	10/23/08	10/21/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	11.22	9.19	11.03	10.20	12.68	9.90	13.32	12.53
pH	-	6.35	6.62	7.04	6.66	7.17	6.23	6.00	6.14
Conductivity	mS/m	1.006	1.291	0.578	0.180	0.511	0.453	0.868	0.939
Turbidity	NTU	30.5	12.7	10.9	56	480	6.2	2.7	91
Dissolved Oxygen	mg/L	0.38	4.05	4.17	2.24	3.53	3.23	1.29	0.82
Temperature	^{o}C	20.53	18.46	16.38	21.38	19.99	19.55	17.59	21.09
Oxidation-Reduction Potential	mV	-62.6	-102.4	-14.6	-48.5	-71.3	-47.9	-33.9	-47.9

Table 4.4 Analytical Data Summary

NW Sampling Event **Oct 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-MW24	UST1115-MW25	USTHPFFC-MW13	USTHPFFC-MW39	USTHPFFC-MW43	USTHPFFC-MW45	USTHPFFC-MW49	USTHPFFC-MW52
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
Date Sampled:		10/24/08	10/23/08	10/23/08	10/24/08	10/24/08	10/24/08	10/24/08	10/22/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	12.08	11.37	11.1	11.17	10.65	11.61	9.55	12.28
pH	-	7.02	8.53	6.28	7.09	8.63	6.99	6.71	8.31
Conductivity	mS/m	1.321	0.855	3.589	0.747	0.198	1.1	1.507	0.18
Turbidity	NTU	7.9	2.3	6.0	23	14	20	50	0
Dissolved Oxygen	mg/L	2.97	0.41	0.93	0.91	3.97	0.54	5.7	3.23
Temperature	^{o}C	21.78	25.18	20.8	19.70	19.59	19.98	18.44	17.83
Oxidation-Reduction Potential	mV	-45	-150.5	47.4	18.0	-37.2	-110.3	-64.5	-15.6

Table 4.4 Analytical Data Summary

NW Sampling Event **Oct 2008 NW Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFFC-MW55	USTHPFFC-MW56	USTHPFFC-MW58	USTHPFFC-MW74
Well Depth:		Deep	Deep	Deep	Deep
Date Sampled:		10/22/08	10/23/08	10/27/08	10/24/08
Analyte	Units	Result	Result	Result	Result
Field Parameters					
Depth to Water	feet	11.36	11.8	10.87	12.95
pH	-	10.85	11.41	7.59	7.62
Conductivity	mS/m	0.72	1.252	0.175	0.315
Turbidity	NTU	7.5	5.7	30	9.8
Dissolved Oxygen	mg/L	3.93	1.76	7.25	7.49
Temperature	^{o}C	17.98	20.76	21.77	20.39
Oxidation-Reduction Potential	mV	-34.4	-141.7	-32.6	-55.5

Table 4.5
Analytical Data Summary
NW Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
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:		F61005-17	F61220-6	F61220-15	F61005-12	F61167-4	F61049-5	F61005-14	F61107-1
Date Sampled:		10/21/08	10/29/08	10/29/08	10/21/08	10/27/08	10/22/08	10/21/08	10/23/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	386	<1.0	<1.0	<1.0	2180	125	16.7	<1.0
Ethylbenzene	550	125	<1.0	<1.0	<1.0	745	0.5 J	<1.0	<1.0
Toluene	1000	364	<1.0	<1.0	<1.0	3410	0.41 J	0.4 J	<1.0
Xylenes (total)	530	372	<3.0	<3.0	<3.0	2930	<3.0	<3.0	<3.0
Total BTEX		1247				9265	125.91	17.1	
VOA EPA 8260B									
Acetone	700	<130	<25	<25	<25	<1300	<25	<25	<25
Chloroform	70	<5.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0
Carbon disulfide	700	<10	<2.0	<2.0	<2.0	<100	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<10	<2.0	<2.0	<2.0	<100	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<25	<5.0	<5.0	<5.0	<250	<5.0	<5.0	1.7 J
Methyl ethyl ketone	4200	<25	<5.0	<5.0	<5.0	<250	<5.0	<5.0	<5.0
Styrene	100	<5.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<5.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<5.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0
1,2-Dichloropropane	0.51	<5.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<5.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<5.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0
2-Hexanone	280	<50	<10	<10	<10	<500	<10	<10	<10
4-Methyl-2-pentanone	NS	<25	<5.0	<5.0	<5.0	<250	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<5.0	<1.0	0.45 J	<1.0	<50	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<5.0	<1.0	<1.0	<1.0	<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
B= detected in blank

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Table 4.5
Analytical Data Summary
NW Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		UST1115-MW02	UST1115GT-MW01	USTHPFF-MW20	USTHPFFC-MW48	USTHPFFC-MW51	USTHPFFC-MW54	UST1115-MW03	UST1115-MW06
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F61131-14	F61107-14	F61259-4	F61131-8	F61107-18	F61049-3	F61167-11	F61107-2
Date Sampled:		10/24/08	10/23/08	10/30/08	10/24/08	10/23/08	10/22/08	10/27/08	10/23/08
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	<1.0	<1.0	<1.0	24
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total BTEX									24
VOA EPA 8260B									
Acetone	700	<25	<25	<25	<25	<25	<25	<25	<25
Chloroform	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.8 J	<1.0
Carbon disulfide	700	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	1.9 J
Methylene Chloride	4.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5
1,2-Dichloropropane	0.51	<1.0	<1.0	<1.0	<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	<1.0	<1.0	1.3
trans-1,2-Dichloroethylene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	280	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone	NS	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	0.89 J	<1.0	<1.0	<1.0	<1.0	<1.0	6.0
Trichloroethylene	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.5
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

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Table 4.5
Analytical Data Summary
NW Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		UST1115-MW08	UST1115-MW10	UST1115-MW11	UST1115-MW12	UST1115GT-MW03	UST1115GT-MW06	UST1115GT-MW08	USTHPFFC-MW16
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F61107-3	F61107-4	F61107-5	F61107-6	F61107-15	F61107-16	F61005-13	F61167-19
Date Sampled:		10/23/08	10/23/08	10/23/08	10/23/08	10/23/08	10/23/08	10/21/08	10/27/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	<1.0	3.7	57.6	214	186 J	1770	<1.0	77.8
Ethylbenzene	550	<1.0	1.2	<1.0	55	3890	452	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	244	18100	476	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	206	13600	331	<3.0	<3.0
Total BTEX			4.9	57.6	719	35776	3029		77.8
VOA EPA 8260B									
Acetone	700	<25	<25	<25	105 J	<6300	<500	<25	<25
Chloroform	70	0.34 J	<1.0	<1.0	<5.0	<250	<20	<1.0	<1.0
Carbon disulfide	700	<2.0	<2.0	<2.0	4.9 J	<500	<40	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<2.0	<2.0	<10	<500	<40	<2.0	<2.0
Methylene Chloride	4.6	<5.0	<5.0	<5.0	9.0 JB	<1300	<100	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<5.0	<5.0	<25	<1300	<100	<5.0	<5.0
Styrene	100	<1.0	<1.0	<1.0	<5.0	<250	<20	<1.0	<1.0
1,1-Dichloroethylene	7.0	<1.0	<1.0	<1.0	<5.0	<250	<20	<1.0	<1.0
1,2-Dichloroethane	0.38	<1.0	<1.0	2.7	114	<250	38.7	<1.0	<1.0
1,2-Dichloropropane	0.51	<1.0	0.6 J	2.2	21.1	<250	31.8	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	0.2 J	1.3	<5.0	<250	<20	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<1.0	<1.0	<1.0	<5.0	<250	<20	<1.0	<1.0
2-Hexanone	280	<10	<10	<10	<50	<2500	<200	<10	<10
4-Methyl-2-pentanone	NS	<5.0	<5.0	<5.0	<25	<1300	<100	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<1.0	<1.0	<5.0	<250	<20	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<1.0	<1.0	<5.0	<250	<20	<1.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

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Samples analyzed by Accutest

Table 4.5
Analytical Data Summary
NW Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFFC-MW23	USTHPFFC-MW37	USTHPFFC-MW46	IR78-GW13	IR78-GW14	IR78-GW19	IR78-GW22-2	UST1115GT-MW04
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F61167-20	F61220-12	F61131-6	F61131-17	F61220-7	F61107-13	F61005-15	F61428-2
Date Sampled:		10/27/08	10/29/08	10/24/08	10/24/08	10/29/08	10/23/08	10/21/08	11/7/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	8.7	<1.0	<1.0	4.8	<1.0	<1.0	101	39
Ethylbenzene	550	9.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	352
Toluene	1000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1200
Xylenes (total)	530	14.1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	1790
Total BTEX		33.7			4.8			101	3381
VOA EPA 8260B									
Acetone	700	<25	<25	<25	<25	<25	<25	<25	<500
Chloroform	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20
Carbon disulfide	700	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<40
Methyl Chloride	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<40
Methylene Chloride	4.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	36.5 J
Methyl ethyl ketone	4200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100
Styrene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20
1,1-Dichloroethylene	7.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20
1,2-Dichloroethane	0.38	24.5	<1.0	<1.0	2.0	<1.0	<1.0	2.7	<20
1,2-Dichloropropane	0.51	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20
cis-1,2-Dichloroethylene	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.7 J	6.0 J
trans-1,2-Dichloroethylene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<20
2-Hexanone	280	<10	<10	<10	<10	<10	<10	<10	<200
4-Methyl-2-pentanone	NS	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<100
Tetrachloroethylene	0.7	<1.0	0.84 J	<1.0	<1.0	<1.0	0.56 J	<1.0	<20
Trichloroethylene	2.8	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	1.9	<20
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

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Samples analyzed by Accutest

Table 4.5
Analytical Data Summary
NW Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		IR78-GW20	UST1115-MW20	UST1115-MW18	UST1115-MW17	UST1115-MW14	UST1115-MW21	USTHPFFC-MW73	UST1115-MW13
Well Depth:		Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory Sample ID:		F61313-4	F61167-6	F61005-10	F61107-10	F61107-8	F61131-15	F61131-11	F61107-7
Date Sampled:		11/3/08	10/27/08	10/21/08	10/23/08	10/23/08	10/24/08	10/24/08	10/23/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	<1.0	7670	9.7	494	1050	<1.0	1.1	<1.0
Ethylbenzene	550	<1.0	527	0.5 J	11.9	<10	<1.0	<1.0	<1.0
Toluene	1000	0.41 J	91.7 J	0.45 J	<5.0	<10	<1.0	0.46 J	<1.0
Xylenes (total)	530	<3.0	952	<3.0	15.4	<30	<3.0	<3.0	<3.0
Total BTEX		0.41	9240.7	10.65	521.3	1050		1.56	
VOA EPA 8260B									
Acetone	700	<25	<2500	<25	<130	<250	<25	<25	<25
Chloroform	70	<1.0	<100	<1.0	<5.0	<10	<1.0	<1.0	<1.0
Carbon disulfide	700	<2.0	<200	<2.0	<10	<20	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<200	<2.0	<10	<20	<2.0	<2.0	<2.0
Methylene Chloride	4.6	1.2 JB	<500	<5.0	<25	20.5 JB	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<500	<5.0	<25	<50	<5.0	<5.0	<5.0
Styrene	100	<1.0	<100	<1.0	<5.0	<10	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<1.0	<100	<1.0	<5.0	<10	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<1.0	<100	44.3	17.3	7.4 J	<1.0	<1.0	<1.0
1,2-Dichloropropane	0.51	<1.0	<100	1.3	<5.0	<10	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	<100	<1.0	3.0 J	4.9 J	<1.0	1.3	<1.0
trans-1,2-Dichloroethylene	100	<1.0	<100	<1.0	<5.0	<10	<1.0	<1.0	<1.0
2-Hexanone	280	<10	<1000	<10	<50	<100	<10	<10	<10
4-Methyl-2-pentanone	NS	<5.0	<500	<5.0	<25	<50	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<100	<1.0	<5.0	<10	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<100	<1.0	<5.0	6.1 J	<1.0	<1.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

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Table 4.5
Analytical Data Summary
NW Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		UST1115-MW15	USTHPFFC-MW50	USTHPFFC-MW76	USTHPFFC-MW44	USTHPFFC-MW47	USTHPFFC-MW53	UST1115-MW19	USTHPFFC-MW57
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory Sample ID:		F61107-9	F61131-10	F61220-14	F61131-3	F61131-7	F61049-2	F61167-16	F61220-11
Date Sampled:		10/23/08	10/24/08	10/29/08	10/24/08	10/24/08	10/22/08	10/27/08	10/29/08
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	1140	<1.0	<1.0	4.5
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	43.1	<1.0	<1.0	<1.0
Toluene	1000	0.38 J	<1.0	<1.0	<1.0	<10	0.83 J	0.36 J	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<30	<3.0	<3.0	<3.0
Total BTEX		0.38				1183.1	0.83	0.36	4.5
VOA EPA 8260B									
Acetone	700	<25	<25	<25	<25	<250	<25	<25	<25
Chloroform	70	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
Carbon disulfide	700	<2.0	<2.0	<2.0	<2.0	<20	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<2.0	<2.0	<2.0	8.5 J	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0
Styrene	100	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<1.0	<1.0	<1.0	<1.0	26.6	<1.0	<1.0	21.9
1,2-Dichloropropane	0.51	<1.0	<1.0	<1.0	<1.0	11.9	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	<1.0	5.9	<1.0	56.3	<1.0	<1.0	0.7 J
trans-1,2-Dichloroethylene	100	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
2-Hexanone	280	<10	<10	<10	<10	<100	<10	<10	<10
4-Methyl-2-pentanone	NS	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<1.0	<1.0	<1.0	10.9	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<1.0	89.2	<1.0	223	<1.0	<1.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

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Samples analyzed by Accutest

Table 4.5
Analytical Data Summary
NW Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		UST1115-MW23	UST1115-MW22	UST1115-MW24	USTHPFFC-MW74	UST1115-MW25	USTHPFFC-MW56	USTHPFFC-MW13	USTHPFFC-MW43
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
Laboratory Sample ID:		F61005-11	F61107-11	F61131-16	F61131-13	F61107-12	F61107-19	F61107-17	F61131-2
Date Sampled:		10/21/08	10/23/08	10/24/08	10/24/08	10/23/08	10/23/08	10/23/08	10/24/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	<2.0	305	<1.0	<1.0	27.7	<1.0	99.9	<1.0
Ethylbenzene	550	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	96.4	<1.0
Toluene	1000	0.71 J	<5.0	<1.0	<1.0	0.93 J	<1.0	1.1	<1.0
Xylenes (total)	530	<6.0	<15	<3.0	<3.0	<3.0	<3.0	10.5	<3.0
Total BTEX		0.71	305			28.63		207.9	
VOA EPA 8260B									
Acetone	700	<50	<130	<25	<25	<25	42.9	<25	<25
Chloroform	70	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	700	<4.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<4.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<10	6.2 J	<5.0	<5.0	<5.0	<5.0	<5.0	1.2 J
Methyl ethyl ketone	4200	<10	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	137	4.0 J	0.5 J	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	0.51	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	280	<20	<50	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone	NS	<10	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<2.0	<5.0	0.67 J	<1.0	<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
B= detected in blank

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Samples analyzed by Accutest

Table 4.5
Analytical Data Summary
NW Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFFC-MW55	USTHPFFC-MW39	USTHPFFC-MW45	USTHPFFC-MW49	USTHPFFC-MW52	USTHPFFC-MW58
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep
Laboratory Sample ID:		F61049-4	F61131-1	F61131-5	F61131-9	F61049-1	F61167-7
Date Sampled:		10/22/08	10/24/08	10/24/08	10/24/08	10/22/08	10/27/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result
VOA EPA 8260B							
Benzene	1	<1.0	<1.0	614	<1.0	<1.0	<1.0
Ethylbenzene	550	<1.0	<1.0	<10	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<10	0.39 J	<1.0	0.61 J
Xylenes (total)	530	<3.0	<3.0	<30	<3.0	<3.0	<3.0
Total BTEX				614	0.39		0.61
VOA EPA 8260B							
Acetone	700	<25	<25	<250	<25	<25	<25
Chloroform	70	<1.0	<1.0	<10	<1.0	<1.0	<1.0
Carbon disulfide	700	<2.0	<2.0	<20	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<2.0	<20	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<5.0	<5.0	<50	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<5.0	<50	<5.0	<5.0	<5.0
Styrene	100	<1.0	<1.0	<10	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<1.0	<1.0	<10	<1.0	<1.0	<1.0
1,2-Dichloropropane	0.51	<1.0	<1.0	<10	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	<1.0	25	3.4	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<1.0	<1.0	<10	<1.0	<1.0	<1.0
2-Hexanone	280	<10	<10	<100	<10	<10	<10
4-Methyl-2-pentanone	NS	<5.0	<5.0	<50	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<1.0	<10	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<1.0	39.5	1.4	<1.0	<1.0
		Bold type indicates detectable concentrations.					
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).					

J= estimated
B= detected in blank

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CLJ - Hadnot Point - Bldg. 1115
Project #125709

Table 4.6 Analytical Data Summary

NW Sampling Event **Mar 2009 NW Field Parameter**

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		USTHPFF-MW12	UST1115-MW07	UST1115-MW12	UST1115GT-MW03	UST1115GT-MW06	USTHPFFC-MW16	IR78-GW22-2
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		3/12/09	3/12/09	3/11/09	3/11/09	3/11/09	3/11/09	3/10/09
Analyte	Units	Result	Result	Result	Result	Result	Result	Result
Field Parameters								
Depth to Water	feet	6.18	8.00	4.78	4.14	4.79	7.71	8.22
pH	-	3.40	5.78	4.79	6.92	6.09	6.11	5.86
Conductivity	mS/m	0.773	0.298	0.234	0.99	0.219	0.460	0.390
Turbidity	NTU	130.3	0	72.8	112.70	596.0	81.0	7.8
Dissolved Oxygen	mg/L	8.94	0.16	1.16	3.56	0.28	0.22	0.39
Temperature	^{o}C	16.49	18.22	20.60	19.16	19.37	17.52	16.25
Oxidation-Reduction Potential	mV	296.7	-142.8	-17.3	62.80	-83.9	-47.7	-38.1

Table 4.6 Analytical Data Summary

NW Sampling Event **Mar 2009 NW Field Parameter**

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		UST1115GT-MW04	UST1115-MW20	UST1115-MW17	UST1115-MW14	USTHPFFC-MW47	UST1115-MW22	USTHPFFC-MW13	USTHPFFC-MW45
Well Depth:		Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep
Date Sampled:		3/11/09	3/11/09	3/10/09	3/10/09	3/10/09	3/10/09	3/10/09	3/10/09
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	12.41	9.72	10.86	11.83	1.84	12.87	11.44	10.96
pH	-	6.40	6.17	3.95	3.63	6.95	6.50	6.62	7.22
Conductivity	mS/m	0.493	0.391	2.610	0.814	0.588	0.85	0.678	0.69
Turbidity	NTU	7.7	45.4	17.1	-0.1	109.9	7.60	13.5	12.50
Dissolved Oxygen	mg/L	0.30	0.21	0.41	0.36	0.17	0.37	1.73	0.40
Temperature	^{o}C	20.79	21.92	19.66	22.91	19.60	19.87	21.75	19.43
Oxidation-Reduction Potential	mV	-96.3	-113.7	155.0	256.8	-65.3	-45.30	56.7	-105.20

Table 4.7
Analytical Data Summary
NW Sampling Event March 2009
Detected VOCs

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		USTHPFF-MW12	UST1115-MW07	UST1115-MW12	UST1115GT-MW03	UST1115GT-MW06	USTHPFFC-MW16	IR78-GW22-2	UST1115GT-MW04
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F63932-16	F63932-17	F63932-9	F63932-11	F63932-7	F63932-12	F63932-6	F63932-10
Date Sampled:		3/12/09	3/12/09	3/11/09	3/11/09	3/11/09	3/11/09	3/10/09	3/11/09
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	245	2810	83.6	184	4000	21.7	75.8	53.6
Ethylbenzene	550	24.2	1180	21.9	3400	1010	<1.0	2.9	313
Toluene	1000	168	8510	29.8	8850	3060	<1.0	5.3	626
Xylenes (total)	530	113	4640	43.6	10600	1630	<3.0	14.9	2180
Total BTEX		550.2	17140	178.9	35776	9700	21.7	98.9	3172.6
VOA EPA 8260B									
Acetone	700	<130	<1300	<25	<2500	<500	<25	<25	<250
Chloroform	70	<5.0	<50	<1.0	<100	<20	<1.0	2.0	<10
Carbon disulfide	700	<10	<100	<2.0	<200	<40	<2.0	<2.0	<20
Methyl Chloride	2.6	<10	<100	<2.0	<200	<40	<2.0	<2.0	<20
Methylene Chloride	4.6	11.5 JB	90.1 JB	<5.0	195 JB	<100	<5.0	<5.0	21.4 JB
Methyl ethyl ketone	4200	<25	<250	<25	<500	<100	<5.0	<5.0	<50
Styrene	100	<5.0	<50	<1.0	<100	<20	<1.0	<1.0	<10
1,1-Dichloroethylene	7.0	<5.0	<50	<1.0	<100	<20	<1.0	<1.0	<10
1,2-Dichloroethane	0.38	372	<50	25.6	<100	31.2	0.53 J	2.4	5.5 J
1,2-Dichloropropane	0.51	3.1 J	<50	8.2	<100	52.3	<1.0	0.39 J	5.5 J
cis-1,2-Dichloroethylene	70	<5.0	<50	13.8	<100	21	<1.0	0.60 J	4.7 J
trans-1,2-Dichloroethylene	100	<5.0	<50	1.9	<100	<20	<1.0	<1.0	<10
2-Hexanone	280	<50	<500	<10	<1000	<200	<10	<10	<100
4-Methyl-2-pentanone	NS	<25	<250	<5.0	<500	<100	<5.0	<5.0	<50
Tetrachloroethylene	0.7	<5.0	<50	<1.0	<100	<20	<1.0	<1.0	<10
Trichloroethylene	2.8	<5.0	<50	10.9	<100	<20	<1.0	1.6	<10
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

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Samples analyzed by Accutest

Table 4.7
Analytical Data Summary
NW Sampling Event March 2009
Detected VOCs

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		UST1115-MW09	UST1115-MW20	UST1115-MW17	UST1115-MW14	USTHPFFC-MW47	UST1115-MW22	USTHPFFC-MW13	USTHPFFC-MW45
Well Depth:		Shallow	Intermediate	Intermediate	Intermediate	Intermediate	Deep	Deep	Deep
Laboratory Sample ID:		F64507-1	F63932-13	F63932-4	F63932-8	F63932-2	F63932-3	F63932-5	F63932-1
Date Sampled:		4/9/09	3/11/09	3/10/09	3/10/09	3/10/09	3/10/09	3/10/09	3/10/09
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	460	14300	372	99.4	910	314	<1.0	797
Ethylbenzene	550	6.4 J	729	13.4	725	25.2	<1.0	<1.0	<10
Toluene	1000	<10	119	1.1	0.59 J	<20	<1.0	<1.0	<10
Xylenes (total)	530	<30	2140	18.8	0.68 J	<60	<3.0	<3.0	<30
Total BTEX		466.4	9240.7	405.3	825.67	935.2	314		797
VOA EPA 8260B									
Acetone	700	<250	<2500	<25	<25	<500	<25	<25	<250
Chloroform	70	<10	<100	<1.0	<1.0	<20	<1.0	<1.0	<10
Carbon disulfide	700	<20	<200	<2.0	<2.0	<40	<2.0	<2.0	<20
Methyl Chloride	2.6	<20	<200	<2.0	<2.0	<40	<2.0	<2.0	<20
Methylene Chloride	4.6	15.5 J	110 JB	<5.0	<5.0	40.2 JB	<5.0	<5.0	<50
Methyl ethyl ketone	4200	<50	<500	<5.0	<5.0	<100	<5.0	<5.0	<50
Styrene	100	<10	<100	<1.0	<1.0	<20	<1.0	<1.0	<10
1,1-Dichloroethylene	7.0	<10	<100	<1.0	<1.0	<20	<1.0	<1.0	<10
1,2-Dichloroethane	0.38	<10	<100	20.4	26.2	24.7	4.1	<1.0	<10
1,2-Dichloropropane	0.51	<10	<100	1.7	4.0	10.1 J	0.68 J	<1.0	<10
cis-1,2-Dichloroethylene	70	<10	<100	3.0	10.8	45.8	<1.0	<1.0	25
trans-1,2-Dichloroethylene	100	<10	<100	<1.0	0.97 J	<20	<1.0	<1.0	<10
2-Hexanone	280	<100	<1000	<10	<10	<200	<10	<10	<100
4-Methyl-2-pentanone	NS	<50	<500	<5.0	<5.0	<100	<5.0	<5.0	<50
Tetrachloroethylene	0.7	<10	<100	<1.0	<1.0	8.5 J	<1.0	<1.0	<10
Trichloroethylene	2.8	<10	<100	1.2	4.3	179	<1.0	<1.0	39.5

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 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-MWA	USTHPFF-MW01	USTHPFF-MW02	USTHPFF-MW03	USTHPFF-MW04	USTHPFF-MW06	USTHPFF-MW09	USTHPFF-MW10R
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		11/7/08	10/20/08	10/20/08	10/29/08	10/29/08	10/22/08	10/28/08	10/21/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	7.22	Free Product	13.02	9.57	11.03	10.07	8.06	14.41
pH	-	NM	Free Product	5.87	6.47	4.64	5.81	6.11	6.38
Conductivity	mS/m	NM	Free Product	0.186	1.162	0.226	0.557	0.751	1.068
Turbidity	NTU	NM	Free Product	3.2	61	130	4.4	36.6	1.1
Dissolved Oxygen	mg/L	NM	Free Product	1.18	7.69	2.28	3.56	4.30	4.28
Temperature	^{o}C	NM	Free Product	21.70	22.76	19.87	21.22	22.36	19.41
Oxidation-Reduction Potential	mV	NM	Free Product	15.1	74.0	1.3	-9.2	106.9	-72.7

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 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-MW11	USTHPFF-MW15	USTHPFF-MW17A	USTHPFF-MW18	USTHPFF-MW19	USTHPFF-RW01	USTHPFF-RW02	USTHPFF-RW03
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		10/21/08	10/28/08	10/20/08	10/29/08	10/20/08	10/30/08	11/7/08	11/7/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	dry	10.27	13.15	Free Product	13.81	8.29	Free Product	Free Product
pH	-	dry	5.99	5.83	Free Product	5.80	6.93	Free Product	Free Product
Conductivity	mS/m	dry	0.286	0.375	Free Product	0.162	1.343	Free Product	Free Product
Turbidity	NTU	dry	20.7	0	Free Product	49.2	9.8	Free Product	Free Product
Dissolved Oxygen	mg/L	dry	1.32	1.62	Free Product	2.91	0.85	Free Product	Free Product
Temperature	^{o}C	dry	20.48	21.02	Free Product	22.98	21.53	Free Product	Free Product
Oxidation-Reduction Potential	mV	dry	-73.8	-53.0	Free Product	207.4	-108.0	Free Product	Free Product

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 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-RW04	USTHPFFC-MW01	USTHPFFC-MW02	USTHPFFC-MW03	USTHPFFC-MW04	USTHPFFC-MW05	USTHPFFC-MW14	USTHPFFC-MW15
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		10/30/08	10/21/08	10/21/08	10/20/08	10/30/08	10/27/08	10/21/08	10/20/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	6.88	5.71	7.95	11.96	11.11	8.69	6.21	8.29
pH	-	5.01	4.72	5.39	3.88	5.07	5.90	5.87	5.57
Conductivity	mS/m	0.69	0.128	0.227	0.289	0.086	0.839	0.593	0.640
Turbidity	NTU	30.10	59	787.3	38	38	19.1	6.0	35.2
Dissolved Oxygen	mg/L	4.67	7.00	6.33	1.43	7.76	6.18	0.33	0.41
Temperature	^{o}C	22.44	22.21	20.94	22.17	20.32	27.02	22.73	22.70
Oxidation-Reduction Potential	mV	15.60	46.4	32.9	396.8	19.0	42.8	-18.0	17.6

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 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-MW17	USTHPFFC-MW19	USTHPFFC-MW20	USTHPFFC-MW21	USTHPFFC-MW22	USTHPFFC-MW24	USTHPFFC-MW25	USTHPFFC-MW28
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		10/27/08	10/27/08	10/20/08	10/21/08	10/30/08	11/3/08	11/3/08	10/27/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	6.70	6.70	9.45	5.26	6.15	12.33	dry	7.82
pH	-	6.31	6.15	5.29	6.06	6.17	6.57	dry	6.09
Conductivity	mS/m	1.128	1.111	0.101	1.155	0.282	0.648	dry	0.75
Turbidity	NTU	19.2	40	0	7	34	69	dry	12.30
Dissolved Oxygen	mg/L	0.73	0.43	0.59	4.73	1.36	1.62	dry	2.73
Temperature	^{o}C	28.35	23.71	22.64	23.15	21.07	24.03	dry	27.23
Oxidation-Reduction Potential	mV	-97.6	-146.6	-51.1	26.7	-126.8	-88.6	dry	-18.10

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 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-MW29	USTHPFFC-MW30	USTHPFFC-MW31	USTHPFFC-MW32	USTHPFFC-MW33	USTHPFFC-MW34	USTHPFFC-MW35	USTHPFFC-MW38
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		10/30/08	10/27/08	10/27/08	10/28/08	10/28/08	10/29/08	10/29/08	10/29/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	8.23	7.78	10.31	dry	dry	9.56	9.35	10.50
pH	-	6.72	6.26	6.51	dry	dry	5.23	4.84	6.14
Conductivity	mS/m	2.39	0.54	1.204	dry	dry	1.01	0.72	0.202
Turbidity	NTU	44.10	32.00	1.2	dry	dry	176.10	65.10	1330.9
Dissolved Oxygen	mg/L	0.96	4.96	2.59	dry	dry	6.46	7.17	7.56
Temperature	^{o}C	21.66	24.07	24.23	dry	dry	23.30	24.72	23.08
Oxidation-Reduction Potential	mV	-79.10	-73.20	70.9	dry	dry	230.80	223.00	-51.9

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 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-MW40	USTHPFFC-MW41	USTHPFFC-MW42	USTHPFFC-MW68	USTHPFFC-MW72	UST1101-MW01	UST1101-MW02	UST1101-MW03
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		10/28/08	10/28/08	11/3/08	10/28/08	10/29/08	10/27/08	10/27/08	10/27/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	7.66	10.28	8.20	7.73	Free Product	9.88	9.95	9.28
pH	-	5.99	6.02	5.89	5.97	Free Product	5.89	5.40	6.38
Conductivity	mS/m	0.594	0.313	0.819	0.396	Free Product	0.362	0.247	0.386
Turbidity	NTU	112.0	186.1	47.1	104.6	Free Product	78	72	114
Dissolved Oxygen	mg/L	0.78	4.40	1.40	0.88	Free Product	6.72	5.35	7.42
Temperature	^{o}C	20.08	24.07	21.46	20.87	Free Product	25.80	22.97	24.42
Oxidation-Reduction Potential	mV	-37.1	-60.3	-32.5	-39.0	Free Product	-21.7	-8.6	-38.0

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 2008 SE Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		IR78-GW12	IR78-GW16	IR78-GW17-1	IR78-GW21	IR78-GW22-1	USTHPFFC-MW06	USTHPFFC-MW07	USTHPFFC-MW08
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate
Date Sampled:		10/29/08	10/28/08	10/29/08	10/20/08	10/20/08	10/20/08	10/21/08	10/20/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	12.55	14.01	12.63	11.30	12.90	12.70	11.63	17.48
pH	-	6.65	5.99	7.14	5.73	5.82	4.83	5.55	6.52
Conductivity	mS/m	0.278	0.283	1.215	0.345	0.470	0.308	0.409	0.824
Turbidity	NTU	17	79	28	8.1	14	6.1	126	2.7
Dissolved Oxygen	mg/L	7.97	3.54	8.86	3.51	0.62	0.69	0.99	1.35
Temperature	^{o}C	18.27	22.08	20.18	24.42	21.19	20.16	18.83	21.28
Oxidation-Reduction Potential	mV	-14.7	-26.1	93.2	205.9	7.4	165.5	-34.9	-133.5

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 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-MW09	USTHPFFC-MW60	USTHPFFC-MW63	USTHPFFC-MW66	USTHPFFC-MW69	USTHPFFC-MW70	USTHPFFC-MW77	IR78-GW17-2
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Date Sampled:		10/27/08	10/21/08	10/28/08	10/28/08	10/29/08	10/30/08	10/28/08	10/27/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	9.77	10.66	13.50	10.62	12.56	12.83	12.55	15.74
pH	-	6.90	7.67	6.48	6.88	6.32	8.23	5.45	6.95
Conductivity	mS/m	0.869	0.905	0.706	0.111	0.706	0.108	0.113	0.633
Turbidity	NTU	1.0	13.9	5.3	5.1	1.9	0	5.5	17
Dissolved Oxygen	mg/L	3.80	5.22	3.12	4.42	5.53	6.67	1.24	7.61
Temperature	^{o}C	24.09	20.39	21.83	19.98	23.55	18.54	19.61	21.89
Oxidation-Reduction Potential	mV	9.7	-82.5	82.7	-44.1	69.0	-38.2	-0.8	-47.8

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 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-MW10	USTHPFFC-MW11	USTHPFFC-MW12	USTHPFFC-MW59	USTHPFFC-MW61	USTHPFFC-MW62	USTHPFFC-MW65	USTHPFFC-MW67
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
Date Sampled:		10/20/08	10/20/08	10/21/08	10/21/08	10/21/08	10/27/08	10/20/08	11/2/08
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	16.01	15.98	11.38	11.73	10.70	11.78	13.50	11.49
pH	-	6.44	6.47	7.1	6.42	8.65	6.81	7.00	6.72
Conductivity	mS/m	1.144	0.355	0.77	0.667	0.526	0.947	0.811	0.090
Turbidity	NTU	50.6	0	12.1	12	0.1	88	3.6	5.4
Dissolved Oxygen	mg/L	3.32	0.68	0.67	5.37	6.14	4.86	1.22	6.62
Temperature	^{o}C	20.13	20.2	19.87	18.63	20.30	20.47	20.65	21.42
Oxidation-Reduction Potential	mV	-34.3	-38.4	-160.9	-48.9	-28.6	-42.5	-124.5	-329.2

Table 4.8 Analytical Data Summary

SE Sampling Event **Oct 2008 SE Field Parameter**

Sampling Event:		2008-B	2008-B	2008-B	2008-B	2008-B	2008-B
Well ID:		USTHPFFC-MW71	USTHPFFC-MW78	IR78-GW31-02	IR78-GW31-03	IR78-GW32-02	IR78-GW32-03
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep
Date Sampled:		10/30/08	10/20/08	10/29/08	10/29/08	10/27/08	10/27/08
Analyte	Units	Result	Result	Result	Result	Result	Result
Field Parameters							
Depth to Water	feet	14.01	12.2	11.63	11.46	11.03	11.03
pH	-	9.88	6.39	7.15	9.13	6.73	6.41
Conductivity	mS/m	0.149	0.791	0.156	0.158	1.745	0.674
Turbidity	NTU	2.5	1.0	1.4	1.4	7.3	167
Dissolved Oxygen	mg/L	6.37	1.44	0.9	0.92	0.48	0.85
Temperature	^{o}C	18.36	19.5	22.18	23.12	21.82	20.79
Oxidation-Reduction Potential	mV	-59.5	-2.2	-33.9	-51.8	-68.4	-32.1

Table 4.9
Analytical Data Summary
SE Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFFC-MW20	USTHPFFC-MW03	USTHPFF-MW19	USTHPFFC-MW38	USTHPFFC-MW15	USTHPFFC-MW05	UST1101-MW01	USTHPFF-MW09
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F60969-7	F60969-1	F60969-12	F61259-6	F60969-6	F61167-17	F61167-9	F61206-8
Date Sampled:		10/20/08	10/20/08	10/20/08	10/30/08	10/20/08	10/27/08	10/27/08	10/28/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	6810	<1.0	<1.0	<1.0	22700	<1.0	<1.0	<1.0
Ethylbenzene	550	1610	<1.0	<1.0	<1.0	1960	<1.0	<1.0	<1.0
Toluene	1000	25300	<1.0	<1.0	<1.0	29300	<1.0	<1.0	<1.0
Xylenes (total)	530	8130	<3.0	<3.0	<3.0	12800	<3.0	<3.0	<3.0
Total BTEX		41850				66760			
VOA EPA 8260B									
Acetone	700	<13000	<25	<25	<25	<13000	<25	<25	<25
Chloroform	70	<500	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
Carbon disulfide	700	<1000	<2.0	<2.0	<2.0	<1000	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<1000	<2.0	<2.0	<2.0	<1000	<2.0	<2.0	<2.0
Methylene Chloride	4.6	1660 J	<5.0	<5.0	<5.0	2850	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<2500	<5.0	<5.0	<5.0	1050 J	<5.0	<5.0	<5.0
Styrene	100	<500	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<500	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<500	<1.0	<1.0	<1.0	1460	<1.0	<1.0	<1.0
1,2-Dichloropropane	0.51	<500	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<500	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<500	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
2-Hexanone	280	<5000	<10	<10	<10	<5000	<10	<10	<10
4-Methyl-2-pentanone	NS	<2500	<5.0	<5.0	<5.0	<2500	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<500	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<500	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

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Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFF-MW15	USTHPFFC-MW19	USTHPFFC-MW02	USTHPFF-MW06	USTHPFF-MW10R	USTHPFFC-MW01	USTHPFF-MW02	USTHPFF-MW03
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F61206-1	F61167-5	F61005-2	F61049-6	F61005-16	F61005-1	F60969-10	F61220-2
Date Sampled:		10/28/08	10/27/08	10/21/08	10/22/08	10/21/08	10/21/08	10/20/08	10/29/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	94.5	8790	0.72 J	105	928	<1.0	7720	<1.0
Ethylbenzene	550	2550	991	<1.0	11.5	638	<1.0	890	<1.0
Toluene	1000	2700	7990	1.8	11.4	702	<1.0	27900	<1.0
Xylenes (total)	530	14600	5740	2.0 J	36.3	2700	<3.0	11400	<3.0
Total BTEX		19944.5	23511	4.52	164.2	4968		47910	
VOA EPA 8260B									
Acetone	700	<1300	<2500	<25	<50	<250	<25	<13000	<25
Chloroform	70	<50	<100	<1.0	<2.0	<10	<1.0	<500	<1.0
Carbon disulfide	700	<100	<200	<2.0	<4.0	<20	<2.0	<1000	<2.0
Methyl Chloride	2.6	<100	<200	<2.0	<4.0	<20	<2.0	<1000	<2.0
Methylene Chloride	4.6	<250	<500	<5.0	<10	<50	<5.0	1690 J	<5.0
Methyl ethyl ketone	4200	<250	<500	<5.0	16.9	123	<5.0	<2500	<5.0
Styrene	100	<50	<100	<1.0	<2.0	<10	<1.0	<500	<1.0
1,1-Dichloroethylene	7.0	<50	<100	<1.0	<2.0	<10	<1.0	<500	<1.0
1,2-Dichloroethane	0.38	<50	1140	<1.0	<2.0	<10	<1.0	<500	<1.0
1,2-Dichloropropane	0.51	<50	<100	<1.0	<2.0	<10	<1.0	<500	<1.0
cis-1,2-Dichloroethylene	70	<50	<100	<1.0	<2.0	<10	<1.0	<500	<1.0
trans-1,2-Dichloroethylene	100	<50	<100	<1.0	<2.0	<10	<1.0	<500	<1.0
2-Hexanone	280	<500	<1000	<10	<20	<100	<10	<5000	<10
4-Methyl-2-pentanone	NS	<250	<500	<5.0	<10	<50	<5.0	<2500	<5.0
Tetrachloroethylene	0.7	<50	<100	<1.0	<2.0	<10	<1.0	<500	<1.0
Trichloroethylene	2.8	<50	<100	<1.0	<2.0	<10	<1.0	<500	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFF-MW04	USTHPFF-MW17A	USTHPFF-RW01	USTHPFF-RW04	USTHPFFC-MW04	USTHPFFC-MW14	USTHPFFC-MW17	USTHPFFC-MW21
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F61220-13	F60969-11	F61259-2	F61259-3	F61259-7	F61005-5	F61167-18	F61005-6
Date Sampled:		10/29/08	10/20/08	10/30/08	10/30/08	10/30/08	10/21/08	10/27/08	10/21/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	<1.0	7460	327	326	<1.0	38	139	18.1
Ethylbenzene	550	<1.0	3280	5.7	105	<1.0	15.3	195	<1.0
Toluene	1000	0.43 J	26500	393	67.5	<1.0	38.5	9.3	<1.0
Xylenes (total)	530	<3.0	11200	304	92.5	<3.0	302	142	<3.0
Total BTEX		0.43	48440	1029.7	591		393.8	485.3	18.1
VOA EPA 8260B									
Acetone	700	<25	<13000	<130	<130	<25	<50	<50	<25
Chloroform	70	<1.0	<500	<5.0	<5.0	<1.0	<2.0	<2.0	<1.0
Carbon disulfide	700	<2.0	<1000	<10	<10	<2.0	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<1000	<10	<10	<2.0	<4.0	<4.0	<2.0
Methylene Chloride	4.6	<5.0	1650 J	<25	<25	1.2 JB	<10	<10	<5.0
Methyl ethyl ketone	4200	<5.0	<2500	<25	<25	<5.0	<10	<10	<5.0
Styrene	100	<1.0	<500	<5.0	<5.0	<1.0	<2.0	<2.0	<1.0
1,1-Dichloroethylene	7.0	<1.0	<500	<5.0	<5.0	<1.0	<2.0	<2.0	<1.0
1,2-Dichloroethane	0.38	<1.0	<500	46.1	<5.0	<1.0	1.1 J	<2.0	<1.0
1,2-Dichloropropane	0.51	<1.0	<500	<5.0	<5.0	<1.0	<2.0	<2.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	<500	<5.0	<5.0	<1.0	<2.0	<2.0	<1.0
trans-1,2-Dichloroethylene	100	<1.0	<500	<5.0	<5.0	<1.0	<2.0	<2.0	<1.0
2-Hexanone	280	<10	<5000	<50	<50	<10	<20	<20	<10
4-Methyl-2-pentanone	NS	<5.0	<2500	<25	<25	<5.0	<10	<10	<5.0
Tetrachloroethylene	0.7	<1.0	<500	<5.0	<5.0	<1.0	<2.0	<2.0	<1.0
Trichloroethylene	2.8	<1.0	<500	<5.0	<5.0	<1.0	<2.0	<2.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFFC-MW22	USTHPFFC-MW28	USTHPFFC-MW29	USTHPFFC-MW30	USTHPFFC-MW31	USTHPFFC-MW34	USTHPFFC-MW35	USTHPFFC-MW40
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F61259-5	F61167-12	F61259-1	F61167-15	F61167-21	F61220-4	F61220-5	F61206-4
Date Sampled:		10/30/08	10/27/08	10/30/08	10/27/08	10/27/08	10/29/08	10/29/08	10/28/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	532	6520	15000	659	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	550	82.9	721	2000	<10	<1.0	<1.0	<1.0	<1.0
Toluene	1000	175	18200	401	29.8	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	150	6110	1330	<30	<3.0	<3.0	<3.0	<3.0
Total BTEX		939.9	31551	18731	688.8				
VOA EPA 8260B									
Acetone	700	<250	<5000	<2500	<250	<25	<25	<25	<25
Chloroform	70	<10	<200	<100	<10	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	700	<20	<400	<200	<20	<2.0	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<20	<400	<200	<20	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<50	<1000	<500	<50	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<50	<1000	<500	<50	<5.0	<5.0	<5.0	<5.0
Styrene	100	<10	<200	<100	<10	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<10	<200	<100	<10	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<10	<200	<100	<10	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	0.51	<10	<200	<100	<10	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<10	<200	<100	<10	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<10	<200	<100	<10	<1.0	<1.0	<1.0	<1.0
2-Hexanone	280	<100	<2000	<1000	<100	<10	<10	<10	<10
4-Methyl-2-pentanone	NS	<50	<1000	<500	<50	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<10	<200	<100	<10	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<10	<200	<100	<10	<1.0	0.46 J	1.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

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Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFFC-MW41	USTHPFFC-MW68	UST1101-MW02	UST1101-MW03	IR78-GW12	IR78-GW16	IR78-GW17-1	IR78-GW21
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F61206-5	F61206-3	F61167-8	F61167-10	F61220-8	F61206-6	F61220-3	F60969-13
Date Sampled:		10/28/08	10/28/08	10/27/08	10/27/08	10/29/08	10/28/08	10/29/08	10/20/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	**1250**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	550	**549**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	**11.4 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	**1360**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total BTEX		3170.4							
VOA EPA 8260B									
Acetone	700	<500	<25	<25	<25	<25	<25	<25	<25
Chloroform	70	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	700	<40	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<40	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	0.51	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.67 J
trans-1,2-Dichloroethylene	100	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	280	<200	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone	NS	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.55 J
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		IR78-GW22-1	USTHPFF-MWA	USTHPFFC-MW24	USTHPFFC-MW42	USTHPFFC-MW06	USTHPFFC-MW08	USTHPFFC-MW77	USTHPFFC-MW63
Well Depth:		Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Intermediate	Intermediate
Laboratory Sample ID:		F60969-14	F61428-1	F61313-3	F61313-2	F60969-2	F60969-3	F61206-7	F61206-9
Date Sampled:		10/20/08	11/7/08	11/3/08	11/3/08	10/20/08	10/20/08	10/28/08	10/28/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	9680	284	126	104	<1.0	7270	<1.0	<1.0
Ethylbenzene	550	627	234	45.8	35.5	<1.0	485	<1.0	<1.0
Toluene	1000	7210	377	14.9	<1.0	<1.0	1650	<1.0	<1.0
Xylenes (total)	530	1680	1900	71.3	<3.0	<3.0	2020	<3.0	<3.0
Total BTEX		19197	2795	258	139.5		11425		
VOA EPA 8260B									
Acetone	700	<2500	<500	135	25.9	<25	<2500	<25	<25
Chloroform	70	<100	7.4 J	<1.0	<1.0	<1.0	<100	<1.0	<1.0
Carbon disulfide	700	<200	<40	<2.0	<2.0	<2.0	<200	<2.0	<2.0
Methyl Chloride	2.6	<200	<40	<2.0	<2.0	<2.0	<200	<2.0	<2.0
Methylene Chloride	4.6	410 J	28.1 J	<5.0	<5.0	<5.0	104 J	<5.0	<5.0
Methyl ethyl ketone	4200	<500	<100	<5.0	<5.0	<5.0	<500	<5.0	<5.0
Styrene	100	<100	<20	<1.0	<1.0	<1.0	<100	<1.0	<1.0
1,1-Dichloroethylene	7.0	<100	<20	<1.0	<1.0	<1.0	<100	<1.0	<1.0
1,2-Dichloroethane	0.38	417	<20	18.8	2.9	<1.0	<100	<1.0	<1.0
1,2-Dichloropropane	0.51	<100	<20	<1.0	<1.0	<1.0	<100	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<100	<20	<1.0	<1.0	<1.0	<100	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<100	<20	<1.0	<1.0	<1.0	<100	<1.0	<1.0
2-Hexanone	280	<1000	<200	<10	<10	<10	<1000	<10	<10
4-Methyl-2-pentanone	NS	<500	<100	4.3 J	<5.0	<5.0	<500	<5.0	<5.0
Tetrachloroethylene	0.7	<100	<20	<1.0	<1.0	<1.0	<100	<1.0	<1.0
Trichloroethylene	2.8	<100	<20	<1.0	<1.0	<1.0	<100	<1.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

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Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFFC-MW09	USTHPFFC-MW70	USTHPFFC-MW66	USTHPFFC-MW60	USTHPFFC-MW07	USTHPFFC-MW69	USTHPFFC-MW64	IR78-GW31-02
Well Depth:		Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate	Deep
Laboratory Sample ID:		F61167-13	F61259-8	F61206-2	F61005-8	F61005-3	F61220-1	F61615-1	F61220-9
Date Sampled:		10/27/08	10/30/08	10/28/08	10/21/08	10/21/08	10/29/08	11/17/08	10/29/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	<1.0	<1.0	<1.0	956	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	550	<1.0	<1.0	<1.0	26.1	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	0.35 J	<1.0	6.1 J	0.38 J	<1.0	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<30	<3.0	<3.0	<3.0	<3.0
Total BTEX			0.35		988.2	0.38			
VOA EPA 8260B									
Acetone	700	<25	<25	<25	<250	<25	<25	<25	<25
Chloroform	70	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	700	<2.0	<2.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<2.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0
Styrene	100	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	7.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	0.51	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethylene	100	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
2-Hexanone	280	<10	<10	<10	<100	<10	<10	<10	<10
4-Methyl-2-pentanone	NS	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<1.0	<1.0	<10	<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
B= detected in blank

Printed: 6/1/2009
Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFFC-MW11	USTHPFFC-MW10	IR78-GW17-02	USTHPFFC-MW71	IR78-GW32-03	IR78-GW32-02	USTHPFFC-MW61	USTHPFFC-MW12
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
Laboratory Sample ID:		F60969-5	F60969-4	F61167-14	F61259-9	F61167-2	F61167-22	F61005-9	F61005-4
Date Sampled:		10/20/08	10/20/08	10/27/08	10/30/08	10/27/08	10/27/08	10/21/08	10/21/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	<1.0	0.56 J	<1.0	<1.0	1.3	13.3	<1.0	56.8
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	<1.0	6.3	<1.0	<1.0
Toluene	1000	0.47 J	0.61 J	<1.0	0.47 J	<1.0	28.1	<1.0	3.5
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	43.4	<3.0	<3.0
Total BTEX		0.47	1.17		0.47	1.3	91.1		60.3
VOA EPA 8260B									
Acetone	700	<25	<25	<25	<25	<25	<25	<25	<25
Chloroform	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	700	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<1.0	0.45 J	0.36 J	<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	<1.0	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0
2-Hexanone	280	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone	NS	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<1.0	<1.0	<1.0	<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
B= detected in blank

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Samples analyzed by Accutest

Table 4.9
Analytical Data Summary
SE Sampling Event October 2008
Detected VOCs

Sampling Event:		2008-C	2008-C	2008-C	2008-C	2008-C	2008-C
Well ID:		USTHPFFC-MW59	USTHPFFC-MW62	USTHPFFC-MW65	USTHPFFC-MW78	IR78-GW31-3	USTHPFFC-MW67
Well Depth:		Deep	Deep	Deep	Deep	Deep	Deep
Laboratory Sample ID:		F61005-7	F61167-3	F60969-8	F60969-9	F61220-10	F61313-1
Date Sampled:		10/21/08	10/27/08	10/20/08	10/20/08	10/29/08	11/3/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result
VOA EPA 8260B							
Benzene	1	4.8	<1.0	<1.0	2.5	<1.0	<1.0
Ethylbenzene	550	<1.0	<1.0	<1.0	4.4	<1.0	<1.0
Toluene	1000	0.43 J	<1.0	0.38 J	26.8	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	17.4	<3.0	<3.0
Total BTEX		5.23		0.38	51.1		
VOA EPA 8260B							
Acetone	700	<25	<25	<25	<25	<25	<25
Chloroform	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	700	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Chloride	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	4.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl ethyl ketone	4200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100	<1.0	<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	<1.0
1,2-Dichloroethane	0.38	<1.0	<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	<1.0
cis-1,2-Dichloroethylene	70	0.57 J	<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	<1.0
2-Hexanone	280	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone	NS	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethylene	0.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethylene	2.8	<1.0	<1.0	<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
B= detected in blank

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Samples analyzed by Accutest

Table 4.10 Analytical Data Summary

SE Sampling Event **Mar 2009 SE Field Parameter**

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		USTHPFFC-MW20	USTHPFF-MW15	USTHPFFC-MW19	USTHPFF-MW06	USTHPFF-MW10R	USTHPFF-MW02	USTHPFF-MW17	USTHPFF-RW01
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		3/19/09	3/13/09	3/13/09	3/19/09	3/18/09	3/19/09	3/17/09	3/17/09
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	9.43	9.91	6.83	9.50	14.15	12.91	12.55	3.14
pH	-	5.76	5.98	6.00	5.68	6.38	5.68	6.22	6.72
Conductivity	mS/m	0.166	0.293	0.517	0.293	1.174	0.179	0.363	0.762
Turbidity	NTU	19.3	136.3	8.3	0.6	6	28.6	1.0	3.4
Dissolved Oxygen	mg/L	0.22	1.23	3.79	0.39	2.06	0.41	0.49	0.68
Temperature	^{o}C	15.93	17.95	15.09	14.65	16.28	16.51	17.37	16.09
Oxidation-Reduction Potential	mV	-31.00	-105.6	-139.6	-26.4	-68.2	28.3	-55.5	-51.2

Table 4.10 Analytical Data Summary

SE Sampling Event **Mar 2009 SE Field Parameter**

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		USTHPFF-RW04	USTHPFFC-MW14	USTHPFFC-MW17	USTHPFFC-MW22	USTHPFFC-MW28	USTHPFFC-MW29	USTHPFFC-MW30	USTHPFFC-MW41
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Date Sampled:		3/19/09	3/12/09	3/12/09	3/12/09	3/12/09	3/12/09	3/13/09	3/19/09
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	6.35	6.04	8.36	5.43	7.63	7.59	6.60	9.82
pH	-	4.92	5.83	6.59	6.32	6.24	6.65	6.42	5.79
Conductivity	mS/m	0.36	0.149	0.402	0.192	0.150	0.815	0.61	0.22
Turbidity	NTU	4.60	12.6	2	2.80	61.1	49.1	0.90	100.70
Dissolved Oxygen	mg/L	1.99	0.18	0.28	0.20	0.23	0.30	0.44	1.39
Temperature	^{o}C	17.80	15.78	21.50	15.62	19.69	16.28	17.74	20.58
Oxidation-Reduction Potential	mV	10.30	-87.2	-51.8	-113.90	-99.5	-55.8	-92.30	6.30

Table 4.10 Analytical Data Summary

SE Sampling Event **Mar 2009 SE Field Parameter**

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		IR78-GW22-1	USTHPFF-MWA	USTHPFFC-MW24	USTHPFFC-MW42	USTHPFFC-MW08	USTHPFFC-MW60	IR78-GW32-02	USTHPFFC-MW12
Well Depth:		Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Deep	Deep
Date Sampled:		3/18/09	3/17/09	3/17/09	3/13/09	3/17/09	3/12/09	3/13/09	3/17/09
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters									
Depth to Water	feet	13.39	6.72	12.14	7.71	18.09	9.80	10.55	11.50
pH	-	6.17	6.14	6.39	5.93	6.87	7.01	7.36	7.32
Conductivity	mS/m	0.08	0.130	0.330	0.314	0.403	0.565	0.361	0.443
Turbidity	NTU	4.70	8	27.2	46.3	151.8	59.8	4.2	5.7
Dissolved Oxygen	mg/L	2.97	0.41	2.10	5.89	0.21	0.23	0.24	0.21
Temperature	^{o}C	19.98	16.50	21.57	16.30	20.10	19.90	18.93	19.30
Oxidation-Reduction Potential	mV	-10.50	-38.1	-64.7	-78.3	-160.3	-30.0	-50.9	-140.6

Table 4.11
Analytical Data Summary
SE Sampling Event March 2009
Detected VOCs

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		USTHPFFC-MW20	USTHPFF-MW15	USTHPFFC-MW19	USTHPFF-MW06	USTHPFF-MW10R	USTHPFF-MW02	USTHPFF-MW17	USTHPFF-RW01
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F64101-5	F63961-4	F63961-1	F64101-4	F64101-2	F64101-3	F64016-6	F64016-5
Date Sampled:		3/19/09	3/13/09	3/13/09	3/19/09	3/18/09	3/19/09	3/17/09	3/17/09
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	4560	276	12900	196	570	5840	5700	210
Ethylbenzene	550	1500	1900	1070	29.4	441	990	2760	4.3 J
Toluene	1000	20800	3080	4960	22.5	590	27700	25600	86.6
Xylenes (total)	530	6600	12000	3910	57.4	2620	12600	9660	44.5
Total BTEX		33460	17256	22840	305.3	4221	47130	43720	345.4
VOA EPA 8260B									
Acetone	700	<2500	<2500	<2500	68.7	<630	<13000	<13000	<130
Chloroform	70	<100	<100	<100	<2.0	<25	<500	<500	<5.0
Carbon disulfide	700	<200	<200	<200	<4.0	<50	<1000	<1000	<10
Methyl Chloride	2.6	<200	<200	<200	<4.0	<50	<1000	<1000	<10
Methylene Chloride	4.6	279 J	435 JB	463 JB	5.4 JB	39.8 J	1380 JB	1320 J	14.4 J
Methyl ethyl ketone	4200	<500	<500	<500	<10	123	<2500	<2500	58
Styrene	100	<100	<100	<100	<2.0	<25	<500	<500	<5.0
1,1-Dichloroethylene	7.0	<100	<100	<100	<2.0	<25	<500	<500	<5.0
1,2-Dichloroethane	0.38	<100	<100	1250	<2.0	<25	<500	<500	8.4
1,2-Dichloropropane	0.51	<100	<100	<100	<2.0	<25	<500	<500	2.3 J
cis-1,2-Dichloroethylene	70	<100	<100	<100	<2.0	<25	<500	<500	<5.0
trans-1,2-Dichloroethylene	100	<100	<100	<100	<2.0	<25	<500	<500	<5.0
2-Hexanone	280	<1000	<1000	<1000	<20	<250	<5000	<5000	<50
4-Methyl-2-pentanone	NS	<500	<500	<500	<10	<130	<2500	<2500	<25
Tetrachloroethylene	0.7	<100	<100	<100	<2.0	<25	<500	<500	<5.0
Trichloroethylene	2.8	<100	<100	<100	<2.0	<25	<500	<500	<5.0
		Bold type indicates d	Bold type indicates detectable concentrations.						
		Shaded area indicate	Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).						

J= estimated
B= detected in blank

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Samples analyzed by Accutest

Table 4.11
Analytical Data Summary
SE Sampling Event March 2009
Detected VOCs

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		USTHPFF-RW04	USTHPFFC-MW14	USTHPFFC-MW17	USTHPFFC-MW22	USTHPFFC-MW28	USTHPFFC-MW29	USTHPFFC-MW30	USTHPFFC-MW41
Well Depth:		Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Laboratory Sample ID:		F64101-7	F63932-20	F63932-18	F63932-21	F63932-22	F63932-23	F63961-3	F64101-6
Date Sampled:		3/19/09	3/12/09	3/12/09	3/12/09	3/12/09	3/12/09	3/13/09	3/19/09
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	329	21.9	18.5	2590	9080	8740	432	564
Ethylbenzene	550	104	69	41.7	456	633	961	5.0 J	530
Toluene	1000	82.3	23.6	5.7	1400	21300	1530	24.6	10.6
Xylenes (total)	530	110	621	65.9	936	5400	1610	23.9 J	890
Total BTEX		625.3	735.5	131.8	5382	36413	12841	456.6	3170.4
VOA EPA 8260B									
Acetone	700	<130	<50	<25	<500	<2500	<5000	<250	<250
Chloroform	70	1.8 J	19.1	<1.0	<20	<250	<200	<10	<10
Carbon disulfide	700	<10	<2.0	<2.0	<40	<500	<200	<20	<20
Methyl Chloride	2.6	<10	<4.0	<2.0	<40	<500	<400	<20	<20
Methylene Chloride	4.6	10.7 JB	49.2 B	3.8 J	126 JB	663 JB	586 JB	47.3 JB	21.4 J
Methyl ethyl ketone	4200	<25	<10	<5.0	<100	<1300	<1000	<50	<50
Styrene	100	<5.0	<2.0	<1.0	<20	<250	<200	<10	<10
1,1-Dichloroethylene	7.0	<5.0	<2.0	<1.0	<20	<250	<200	<10	<10
1,2-Dichloroethane	0.38	17.1	1.1 J	<1.0	91.3	<250	<200	<10	18.2
1,2-Dichloropropane	0.51	<5.0	<2.0	<1.0	<20	<250	<200	<10	<10
cis-1,2-Dichloroethylene	70	<5.0	<2.0	<1.0	<20	<250	<200	<10	<10
trans-1,2-Dichloroethylene	100	<5.0	<2.0	<1.0	<20	<250	<200	<10	<10
2-Hexanone	280	<50	<20	<10	<200	<2500	<2000	<100	<100
4-Methyl-2-pentanone	NS	<25	<10	<5.0	<100	<1300	<1000	<50	<50
Tetrachloroethylene	0.7	<5.0	<2.0	<1.0	<20	<250	<200	<10	<10
Trichloroethylene	2.8	<5.0	<2.0	<1.0	<20	<250	<200	<10	<10
					Bold type indicates detectable concentrations.				Bold type indicates
					Shaded area indicates detectable concentrations above the groundwater quality sta				Shaded area indicate

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by Accutest

Table 4.11
Analytical Data Summary
SE Sampling Event March 2009
Detected VOCs

Sampling Event:		2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A	2009-A
Well ID:		IR78-GW22-1	USTHPFF-MWA	USTHPFFC-MW24	USTHPFFC-MW42	USTHPFFC-MW08	USTHPFFC-MW60	IR78-GW32-02	USTHPFFC-MW12
Well Depth:		Shallow	Shallow	Shallow	Shallow	Intermediate	Intermediate	Deep	Deep
Laboratory Sample ID:		F64101-1	F64016-2	F64016-1	F63961-5	F64016-7	F63932-19	F63961-2	F64016-3
Date Sampled:		3/18/09	3/17/09	3/17/09	3/13/09	3/17/09	3/12/09	3/13/09	3/17/09
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 8260B									
Benzene	1	1780	775	25	31.6	6240	7660	23.5	2750
Ethylbenzene	550	257	157	28.1	1.9	542	254	13.3	8.4
Toluene	1000	1760	354	3.3	<1.0	1820	35.2	72.4	35.1
Xylenes (total)	530	709	1430	28.2	<3.0	1990	69.3	60.6	8.1
Total BTEX		4506	2716	84.6	33.5	10592	988.2	169.8	2801.6
VOA EPA 8260B									
Acetone	700	<630	220 J	<25	<25	<2500	<250	<25	<25
Chloroform	70	<25	<20	<1.0	<1.0	<100	6.0 J	<1.0	<1.0
Carbon disulfide	700	<20	<40	<2.0	<2.0	<200	<20	<2.0	<2.0
Methyl Chloride	2.6	<20	<40	<2.0	<2.0	<200	<20	<2.0	<2.0
Methylene Chloride	4.6	48.8 J	52.5 J	4.5 JB	<5.0	398 J	29.5 JB	<5.0	<5.0
Methyl ethyl ketone	4200	<130	42.3 J	<5.0	<5.0	<500	<50	<5.0	<5.0
Styrene	100	<25	<20	<1.0	<1.0	<100	<10	<1.0	<1.0
1,1-Dichloroethylene	7.0	<25	<20	<1.0	<1.0	<100	<10	<1.0	<1.0
1,2-Dichloroethane	0.38	82.4	31	7.4	1.3	<100	<10	<1.0	<1.0
1,2-Dichloropropane	0.51	<25	<20	1.3	<1.0	<100	<10	<1.0	<1.0
cis-1,2-Dichloroethylene	70	<25	<20	<1.0	<1.0	<100	<10	<1.0	36.6
trans-1,2-Dichloroethylene	100	<25	<20	<1.0	<1.0	<100	<10	<1.0	<1.0
2-Hexanone	280	<250	<200	<10	<10	<1000	<100	<10	<10
4-Methyl-2-pentanone	NS	<130	<100	4.3 J	<5.0	<500	<50	<5.0	<5.0
Tetrachloroethylene	0.7	<25	<20	<1.0	<1.0	<100	<10	<1.0	<1.0
Trichloroethylene	2.8	<25	<20	<1.0	<1.0	<100	<10	<1.0	<1.0
		Bold type indicates detectable concentrations.							
		Shaded area indicates detectable concentrations above the groundwater quality standards (GWQS).							

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by Accutest

Table 6.1
Hadnot Point Fuel Farm, Northwest Compound
Groundwater Sample Collection and Analysis Table for 2009-2010

Analysis	Type II Shallow Monitoring Wells							
	UST1115GT-MW03	UST1115GT-MW04	UST1115GT-MW06	UST1115GT-MW09	UST1115-MW06	UST1115-MW07	UST1115-MW09	UST1115-MW11
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							
	UST1115-MW12	USTHPFF-MW12	USTHPFFC-MW16	USTHPFFC-MW23	IR78-GW13	IR78-GW22-2		
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 Intermediate Monitoring Wells							
	UST1115-MW14	UST1115-MW17	UST1115-MW18	UST1115-MW20	USTHPFFC-MW47	USTHPFFC-MW57	USTHPFFC-MW73	
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	

Table 6.1
Hadnot Point Fuel Farm, Northwest Compound
Groundwater Sample Collection and Analysis Table for 2009-2010

Analysis	Type III Deep Monitoring Wells							
	UST1115-MW22	UST1115-MW23	UST1115-MW25	USTHPFFC-MW13	USTHPFFC-MW45			
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			

Table 6.2
Hadnot Point Fuel Farm, Southeast Compound
Groundwater Sample Collection and Analysis Table for 2009-2010

Analysis	Type II Shallow Monitoring Wells								
	USTHPFF-MWA	USTHPFF-MW01	USTHPFF-MW02	USTHPFF-MW06	USTHPFF-MW10R	USTHPFF-MW11	USTHPFF-MW15	USTHPFF-MW17A	USTHPFF-MW18
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-MW14	USTHPFFC-MW15	USTHPFFC-MW17	USTHPFFC-MW19	USTHPFFC-MW20	USTHPFFC-MW21	USTHPFFC-MW22	USTHPFFC-MW24	USTHPFFC-MW25
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-MW28	USTHPFFC-MW29	USTHPFFC-MW30	USTHPFFC-MW32	USTHPFFC-MW33	USTHPFFC-MW41	USTHPFFC-MW42	USTHPFFC-MW72	USTHPFF-RW01
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

Table 6.2
Hadnot Point Fuel Farm, Southeast Compound
Groundwater Sample Collection and Analysis Table for 2009-2010

Analysis	Type II Shallow Monitoring Wells								
	USTHPFF-RW02	USTHPFF-RW03	USTHPFF-RW04	IR78-GW22-1					
Field Screening									
Temperature	X	X	X	X					
Conductivity	X	X	X	X					
Turbidity	X	X	X	X					
pH	X	X	X	X					
Dissolved Oxygen	X	X	X	X					
ORP	X	X	X	X					
VOAs Method 8260	X	X	X	X					

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

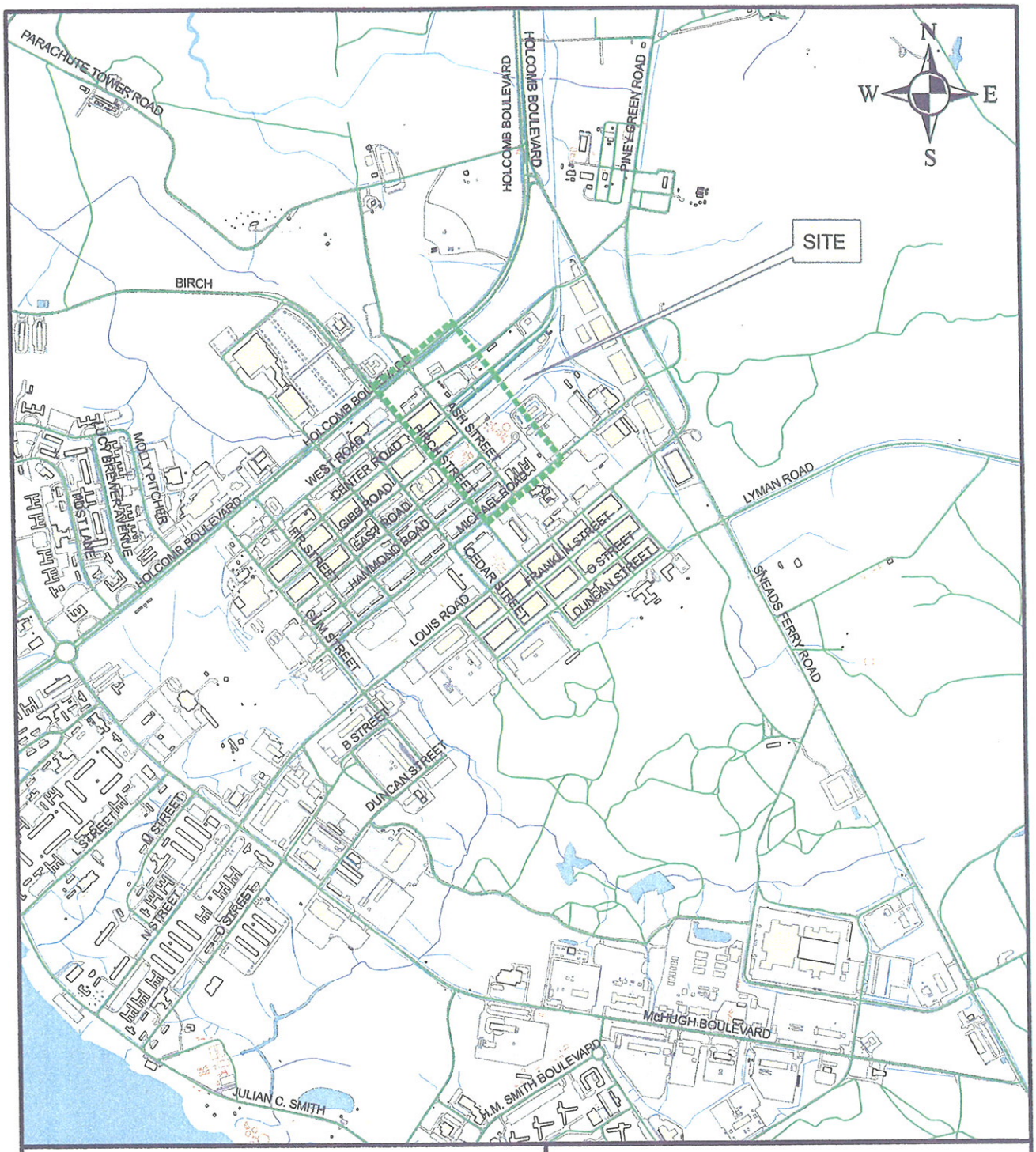
Analysis	Type III Deep Wells								
	USTHPFFC-MW10	USTHPFFC-MW12	IR78GW17-02	IR78GW32-02	IR78GW32-03				
Field Screening									
Temperature	X	X	X	X	X				
Conductivity	X	X	X	X	X				
Turbidity	X	X	X	X	X				
pH	X	X	X	X	X				
Dissolved Oxygen	X	X	X	X	X				
ORP	X	X	X	X	X				
VOAs Method 8260	X	X	X	X	X				

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-20
78GW22-2
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	CHKD	APPVD	DESCRIPTION/ISSUE

PROJECT NO. 115258

DESIGNED BY	CHECKED BY	APPROVED BY
RBK	RBK	
DRAWN BY		
JEL		

Shaw
Shaw Environmental, Inc.

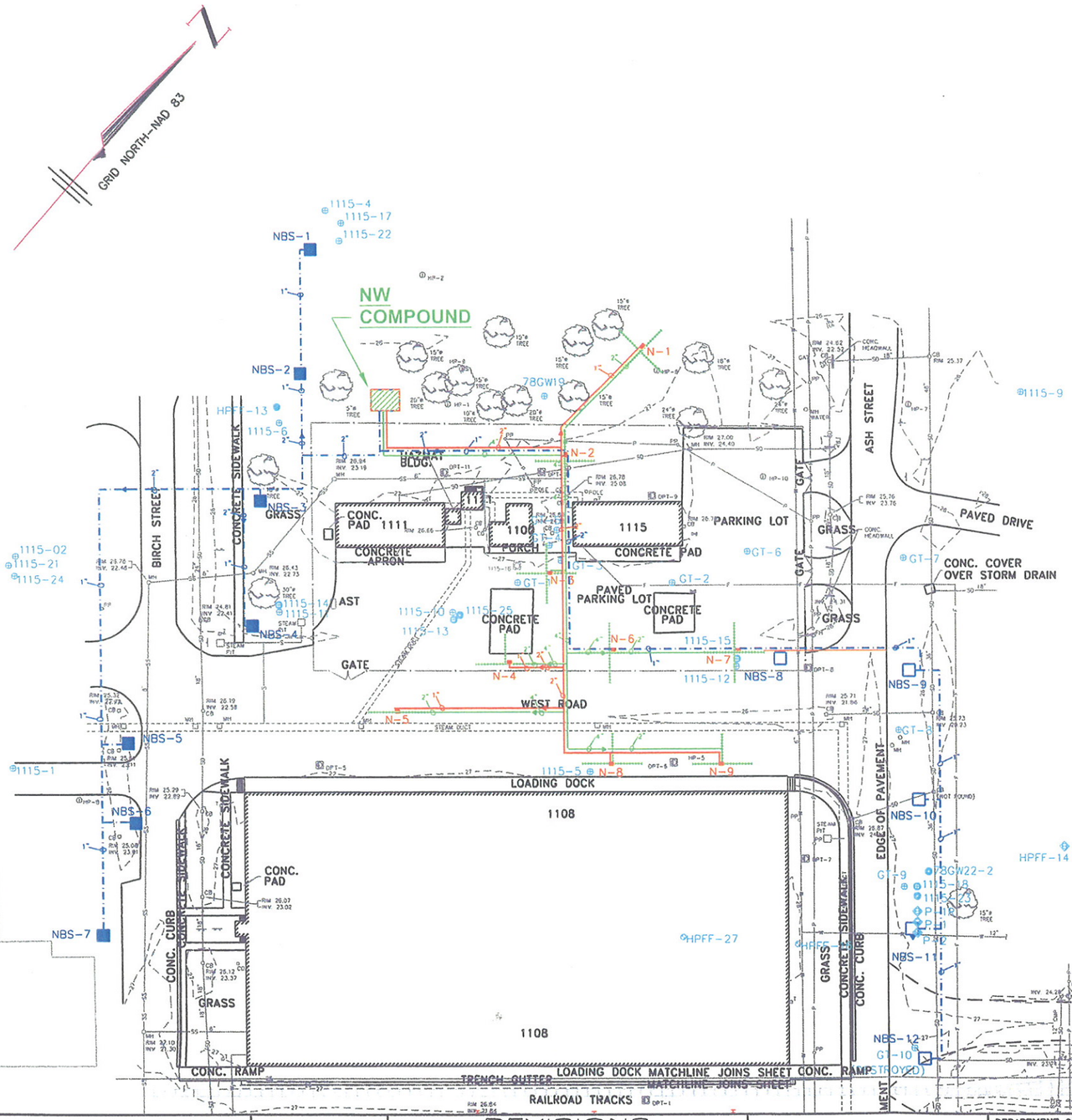
NAVAL FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA

FIGURE 2.1
HPFF BIO-PULSE SPARGE WELL LOCATION MAP

SCALE: AS SHOWN
SIZE: 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
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DRAWN: L. SHULMAN
DESIGNED: BOB BROWN
CHECKED: RON KENYON
CHECKED: JIM DUNN

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DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

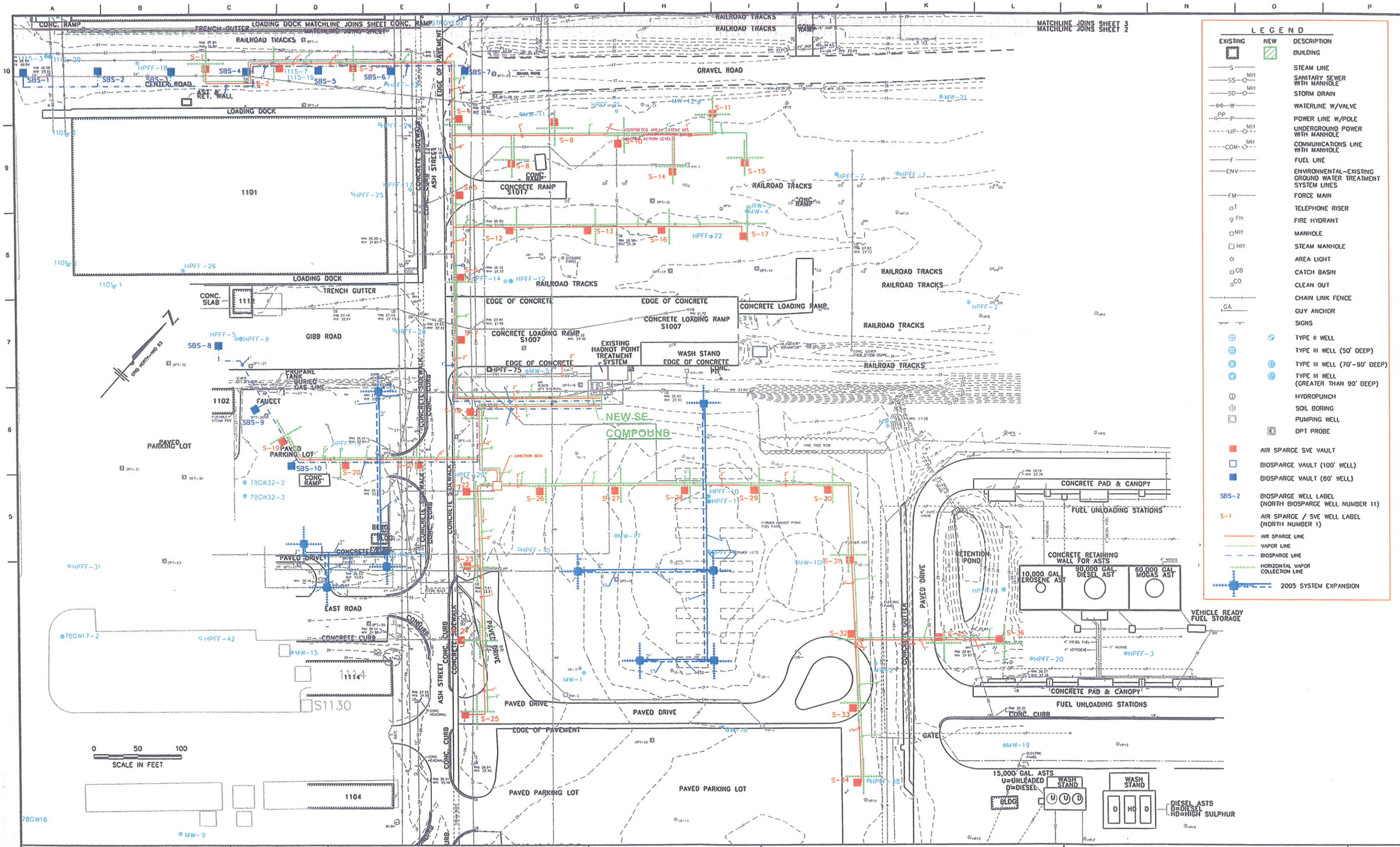
NAVAL STATION — NORFOLK, VIRGINIA

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



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

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

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-MW46 (13.29)

USTHPFFC-MW48 (14.72)

IR78-GW20

USTHPFFC-MW51 (14.62)

USTHPFFC-MW54 (20.95)

UST1115-MW04 (22.22)

UST1115-MW08 (14.86)

UST1115-MW06 (16.70)

IR78-GW19

(16.44) UST1115-MW09

UST1115-MW02 (15.63)

UST1115GT5 (19.25)

UST1115GT-MW04

UST1115GT-MW01

(16.95) UST1115-MW11

(22.12)

(17.48) UST1115GT-MW03

(20,35) UST1115GT-MW06

UST1115GT-MW07 (17,91)

UST1115GT-MW02 (DRY)

UST1115GT-MW10 (18.58)

UST1115-MW12

UST1115GT-MW08 (19.79)

(15.82) UST1115-MW01

UST1115-MW05 (DRY)

(DRY) USTHPFFC-MW27

UST1115GT-MW09 (19.58)

USTHPFFC-MW16 (18.84)

USTHPFF-MW20 (21.15)

GT-10 (DESTROYED)

UST1115-MW-03 (16.51)

UST1115-MW-07 (17.82)

USTHPFFC-MW37 (17.21)

USTHPFFC-MW36 (16.39)

USTHPFFC-MW58

(18.61) USTHPFFC-MW23

USTHPFF-MW11

USTHPFFC-MW21

(21.64) USTHPFF-MW12

USTHPFF-MW21 (21.59)

IR78-GW22-2

1232 1220 1200 1111 1115 1108 1053 1050

HOLCOMB BLVD. ASH STREET BIRCH STREET WEST ROAD GRAVEL ROAD GRAVEL ROAD

CONC. RAMP RAILROAD TRACKS

MATCHLINE MATCHLINE

14.00 16.00 18.00 20.00

SCALE IN FEET 50 0 50 100

File: O:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-1-SHALL WELL-OCT-2008-FIG4-1.dwg
Plot Date/Time: May 21, 2009 - 12:09pm
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 1933_001-4-1.JPG
HPFF_Site_MAP_2007.tif

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APPROVED: DEPT. MANAGER DATE:

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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 4.1
SHALLOW WELL
GROUNDWATER ELEVATION MAP
OCTOBER, 2008
HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 5/01/09

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 (13.40)

USTHPFFC-MW50 (14.32)

USTHPFFC-MW53 (16.41)

UST1115-MW17 (14.24)

UST1115-MW21 (15.24)

UST1115-MW14 (13.08)

UST1115-MW13 (15.97)

UST1115-MW15 (16.62)

UST1115-MW18 (14.08)

UST1115-MW20 (15.91)

UST1115-MW19 (17.77)

USTHPFFC-MW57 (15.46)

14.00

15.00

16.00

17.00

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

RAILROAD TRACKS

CONC. RAMP

MATCHLINE

MATCHLINE

1232

1220

1200

1111

1100

1115

1108

1053

1050

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

50 0 50 100

SCALE IN FEET

File: O:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-1-INT WELL-OCT-2008-fig4-2.dwg
Plot Date/Time: May 21, 2009 - 11:58am
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg

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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, VIRGINA

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 OCTOBER, 2008 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/04/09

LEGEND:

(17.80) DEEP MONITORING WELL

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

GRID NORTH-NAD 83

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

1232

1220

1200

1111

1100

1115

1108

1053

1050

13.00

14.00

15.00

18.00

USTHPFFC-MW39
(-)
USTHPFFC-MW45
(12.87)

USTHPFFC-MW49
(13.89)

(13.78)
UST1115-MW22

(15.03)
USTHPFFC-MW13

UST1115-MW56
(13.78)

78GW19

UST1115-MW24
(13.85)

UST1115-MW25
(14.46)

UST1115-MW23
(14.94)

USTHPFFC-MW52
(15.10)

USTHPFFC-MW55
(15.79)

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

50 0 50 100
SCALE IN FEET

REVISIONS								
ZONE	REV.	DESCRIPTION	BY	DATE	APP.			

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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 4.3
DEEP WELL GROUNDWATER ELEVATION MAP OCTOBER, 2008 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/04/09

File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-1-DEEP WELL-OCT-2008-FIG4-3.dwg
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Plotted By: John Lange
Xref: HADNOTBASE
Image: 1946_001-4-3.JPG
2008_10_22_0001.jpg
HPFF_Site_MAP_2007.tif

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

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

USTHPFFC-MW46 (NM)

USTHPFFC-MW48 (NM)

IR78-GW20

USTHPFFC-MW51 (NM)

USTHPFFC-MW54 (NM)

UST1115-MW04 (NM)

UST1115-MW08

UST1115-MW06

IR78-GW19

(18.56) UST1115-MW09

UST1115-MW02 (NM)

UST1115-MW11

UST1115GT5 (19.75)

UST1115GT-MW04 (NM)

UST1115GT-MW01 (NM)

UST1115GT-MW10 (NM)

(21.27) UST1115GT-MW06

UST1115GT-MW03 (22.05)

UST1115GT-MW02 (DRY)

UST1115GT-MW07 (NM)

UST1115-MW12 (20.79)

UST1115GT-MW08

IR78-GW22-2

UST1115-MW05 (DRY)

UST1115-MW01 (NM)

UST1115GT-MW09 (NM)

(DRY) USTHPFFC-MW27

USTHPFFC-MW16 (19.47)

USTHPFFC-MW20 (NM)

GT-10 (DESTROYED)

UST1115-MW-03

UST1115-MW-07 (17.85)

USTHPFF-MW21

USTHPFFC-MW37

USTHPFFC-MW36 (NM)

USTHPFFC-MW58

USTHPFFC-MW23

USTHPFF-MW11

USTHPFFC-MW21

(22.48) USTHPFF-MW12

1220

1200

1232

1111

1100

1115

1108

1053

1050

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

SBS-1 SBS-2 SBS-3 SBS-4 SBS-7

18.00 20.00 22.00

50 0 50 100

SCALE IN FEET

| | | |

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 (13.78)

USTHPFFC-MW50 (NM)

USTHPFFC-MW53 (NM)

USTHPFFC-MW57

UST1115-MW17 (15.08)

UST1115-MW21 (NM)

UST1115-MW14 (13.84)

UST1115-MW13 (NM)

UST1115-MW15 (NM)

UST1115-MW18 (NM)

UST1115-MW20 (16.41)

UST1115-MW19

14.00

15.00

16.00

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

1232

1220

1200

1111

1100

1115

1108

1053

1050

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-4 N-5 N-6 N-8 N-9

50 0 50 100

SCALE IN FEET

File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-1-INT WELL-MAR-2009-fig4-5.dwg
Plot Date/Time: May 21, 2009 - 12:02pm
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 1957_001-4-5.JPG
HPFF_Site_MAP_2007.tif

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APPROVED: _____ DEPT. MANAGER _____ DATE: _____

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CADD FILE: _____

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DESIGNED: _____

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CHECKED: _____

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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 4.5
INTERMEDIATE WELL GROUNDWATER ELEVATION MAP MARCH, 2009 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/05/09

LEGEND:

(17.80) DEEP MONITORING WELL

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

GRID NORTH-NAD 83

HOLCOMB BLVD.

ASH STREET

BIRCH STREET

WEST ROAD

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

USTHPFFC-MW49

USTHPFFC-MW39
(-)
USTHPFFC-MW45
(13.52)

14.00

14.00

(14.23)
UST1115-MW22

(14.69)
USTHPFFC-MW13

UST1115-MW56
(NM)

78GW19

UST1115-MW24
(NM)

UST1115-MW25
(NM)

USTHPFFC-MW52

USTHPFFC-MW55
(NM)

UST1115-MW23
(NM)

USTHPFFC-MW58

1232

1220

1200

1111

1100

1115

1108

1053

1050

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

50 0 50 100
SCALE IN FEET

File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-1-DEEP WELL-MAR-2009-FIG4-6.dwg
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Plotted By: John.Lange
Xref: HADNOTBASE
Image: 1946_001-4-3.JPG
2007_Site_Plan_2007_001.jpg
HPFF_Site_MAP_2007.tif

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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.

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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 MARCH, 2009 HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/06/09

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE JOINS SHEET 3

MATCHLINE JOINS SHEET 2

LEGEND:

16.00 GROUNDWATER ELEVATION CONTOUR LINE

INFERRED GROUNDWATER FLOW

ELEVATON BASED ON NGVD

GRID NORTH-NAD 83

UST1115-MW-03 (16.51)

UST1115-MW-07 (17.82)

GT-10 (DESTROYED)

USTHPFF-MW21 (22.26)

(20.86)

USTHPFFC-MW36 (16.39)

USTHPFFC-MW58

USTHPFFC-MW23

USTHPFF-MW11 (DRY)

USTHPFFC-MW21 (21.59)

USTHPFF-MW12 (21.64)

USTHPFF-MW24 (18.59)

USTHPFFC-MW01 (22.26)

USTHPFFC-MW17 (20.86)

USTHPFFC-MW25 (DRY)

1101

1201

USTHPFFC-MWA (20.82)

RW-5 MW-A

USTHPFFC-MW22 (20.21)

22.00

USTHPFFC-MW26 (MISSING)

USTHPFF-MW34 (16.65)

HPFF-35

UST1101-MW01 (16.87)

USTHPFFC-MW14 (20.70)

(19.25)

USTHPFFC-MW28

USTHPFFC-MW02 (21.10)

RAILROAD TRACKS

BIRCH STREET

GIBB ROAD

USTHPFFC-MW05 (18.25)

S1007

S1007 (19.44)

RW-1

MW-5

20.00

IR78-GW17-01 (17.35)

USTHPFF-MW06 (19.53)

USTHPFFC-MW19 (19.51)

USTHPFF-MW29 (19.44)

1202

HPFF-MW32 (DRY)

USTHPFFC-MW31 (17.53)

USTHPFFC-MW30 (18.53)

MH

USTHPFFC-MW15 (19.11)

USTHPFF-MW17A (18.45)

USTHPFF-MW10R (19.05)

EAST ROAD

USTHPFFC-MW42 (19.05)

(19.53)

USTHPFF-MW15

USTHPFFC-MW72

ASH STREET

USTHPFF-MW01 (16.80)

2"

USTHPFF-MW-2 (18.46)

USTHPFFC-MW03 (18.87)

1114

S1130

USTHPFFC-MW41 (18.82)

USTHPFFC-MW68 (19.64)

USTHPFFC-MW40 (19.72)

18.00

USTHPFF-MW18 (18.02)

GATE

USTHPFF-MW19 (18.59)

USTHPFFC-MW20 (19.90)

UP

S1218

1105

78-GW-MW-16 (18.38)

USTHPFF-MW-09 (22.41)

HAMMOND ROAD

W CONC.

USTHPFFC-MW38 (18.65)

USTHPFF-MW-03 (19.15)

USTHPFF-MW-04 (20.27)

20.00

22.00

SCALE IN FEET

50 0 50 100

File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-2-SHALL WELL-OCT-2008-FIG4-7.dwg
Plot Date/Time: May 11, 2009 - 11:52am
Plotted By: John.Lange
Xref: HADNOTBSE
Image: 1974.001-4-7.JPG
20070831142525_00001.jpg
HPFF_Site_MAP_2007.tif

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APPROVED: _____ DEPT. MANAGER _____ DATE: _____

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

CADD FILE: _____

DRAWN: _____

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CHECKED: _____

CHECKED: _____

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ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

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

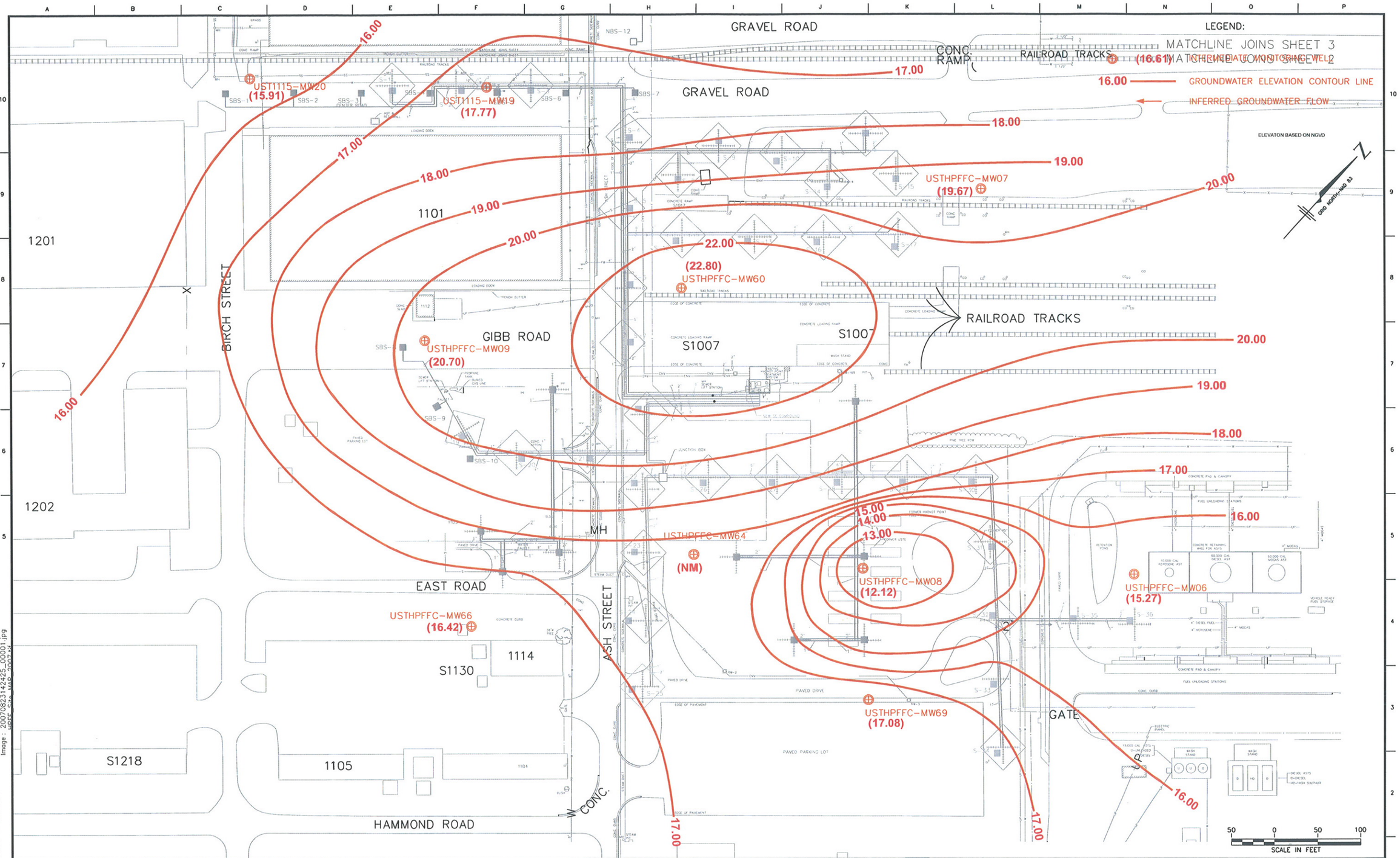
PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.7
SHALLOW WELL GROUNDWATER ELEVATIONS OCTOBER, 2008 HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/06/09



File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-2-INT WELL-OCT-2008-fig4-8.dwg
Xref: HADNOTBASE
Image: 200708231424 25_0000.jpg
Plot Date/Time: May 21, 2009 - 12:58pm
Plotted By: John.Lange

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: _____

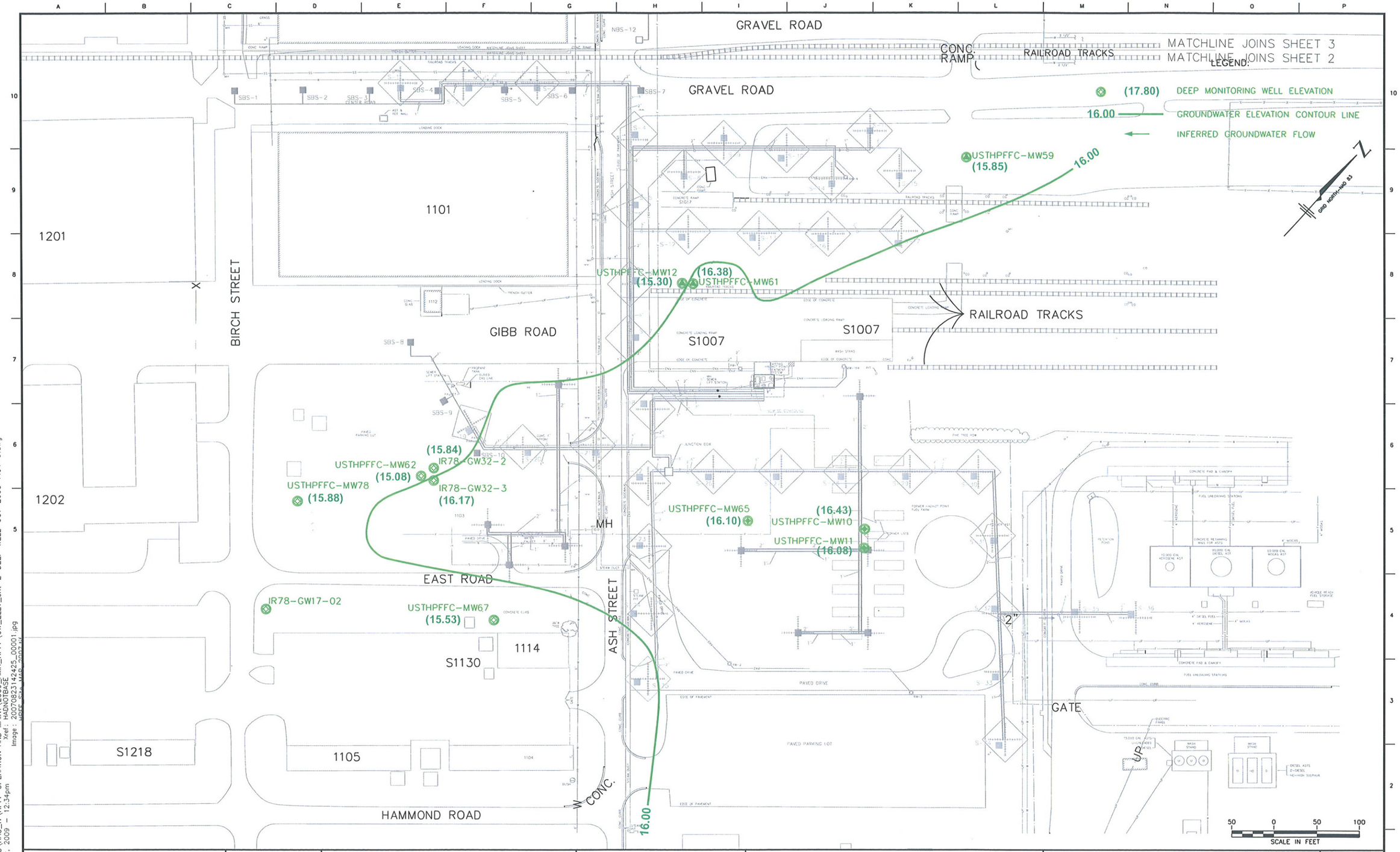
REVISIONS

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ATLANTIC DIVISION
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CONTRACT N62470-02-D-3260 TASK ORDER NO. 055
PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.8
INTERMEDIATE WELL GROUNDWATER ELEVATION MAP OCTOBER, 2008 HPFF SOUTH EAST

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 05/11/09



File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-2-DEEP WELL-OCT-2008-FIG4-9.dwg
Plot Date/Time: May 12, 2009 - 12:34pm
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 200708231424 25_00001.jpg

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CHECKED: _____
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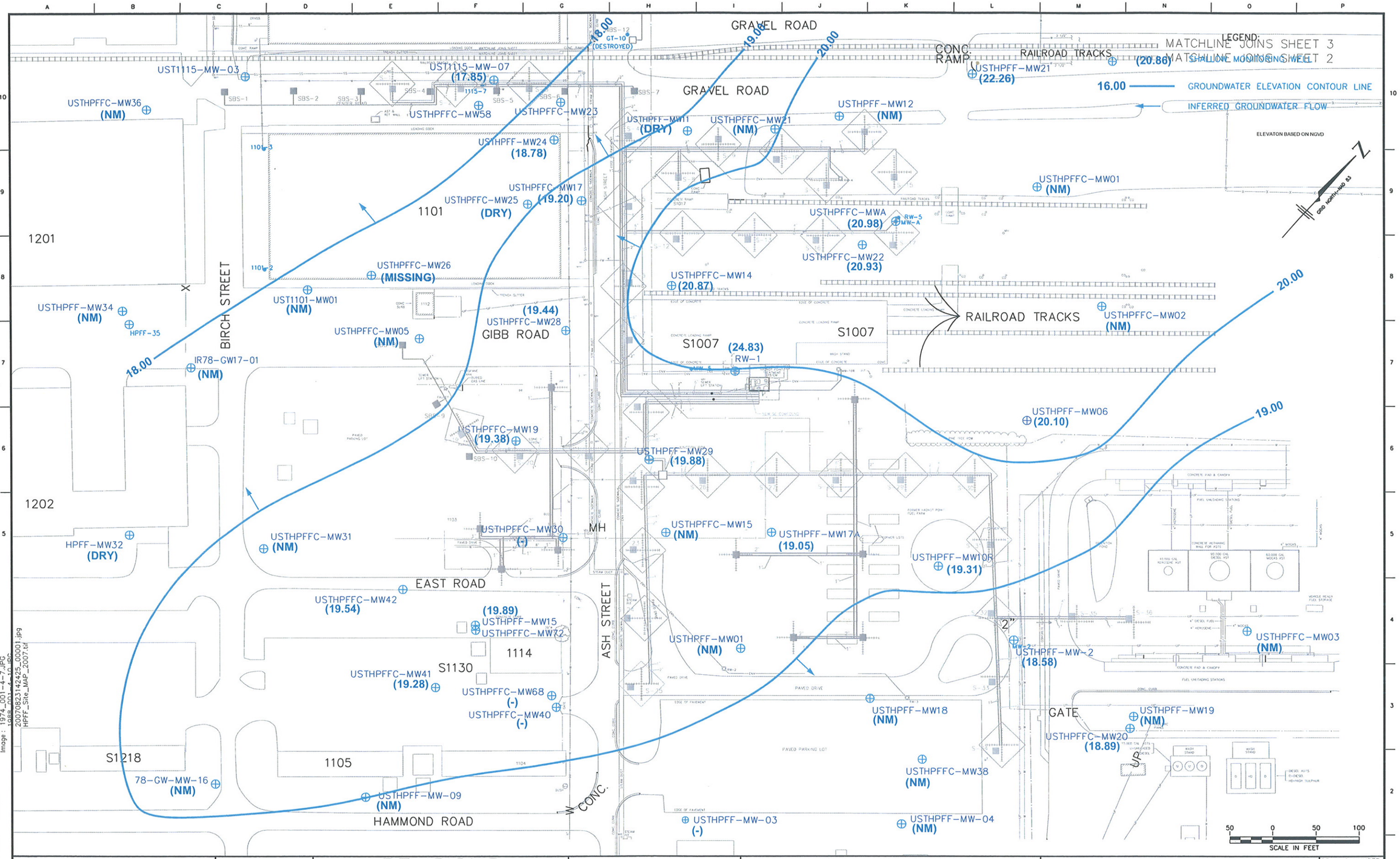
REVISIONS

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

FIGURE 4.9
DEEP WELL GROUNDWATER ELEVATION MAP OCTOBER, 2008 HPFF SOUTH EAST

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 05/12/09



File: O:\LEJEUNE-6-05\RAC_JV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-2-SHALL WELL-MAR-2009-FIG4-10.dwg
Plot Date/Time: May 13, 2009 - 7:11am
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 1974_001-4-7.JPG
1988_001-4-10.JPG
20070823142425_00001.jpg
HPFF_Site_MAP_2007.tif

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CHECKED: _____
CHECKED: _____

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FIGURE 4.10
SHALLOW WELL
GROUNDWATER ELEVATIONS
MARCH, 2009
HPFF SOUTH EAST

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 05/12/09

LEGEND:

MATCHLINE JOINS SHEET 3

MATCHLINE JOINS SHEET 2

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
(16.41)

UST1115-MW19
(NM)

USTHPFFC-MW07
(NM)

(16.61)

1201

1101

BIRCH STREET

ASH STREET

(17.14)
USTHPFFC-MW60

RAILROAD TRACKS

GIBB ROAD

USTHPFFC-MW09
(NM)

S1007

S1007

1202

MH

USTHPFFC-MW64

USTHPFFC-MW08
(12.74)

USTHPFFC-MW06
(NM)

EAST ROAD

USTHPFFC-MW66
(NM)

1114

S1130

ASH STREET

PAVED DRIVE

USTHPFFC-MW69
(NM)

GATE

S1218

1105

CONC.

HAMMOND ROAD

PAVED PARKING LOT

16.00

16.00

14.00

14.00

50 0 50 100
SCALE IN FEET

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

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CADD FILE: _____
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CHECKED: _____
CHECKED: _____

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

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

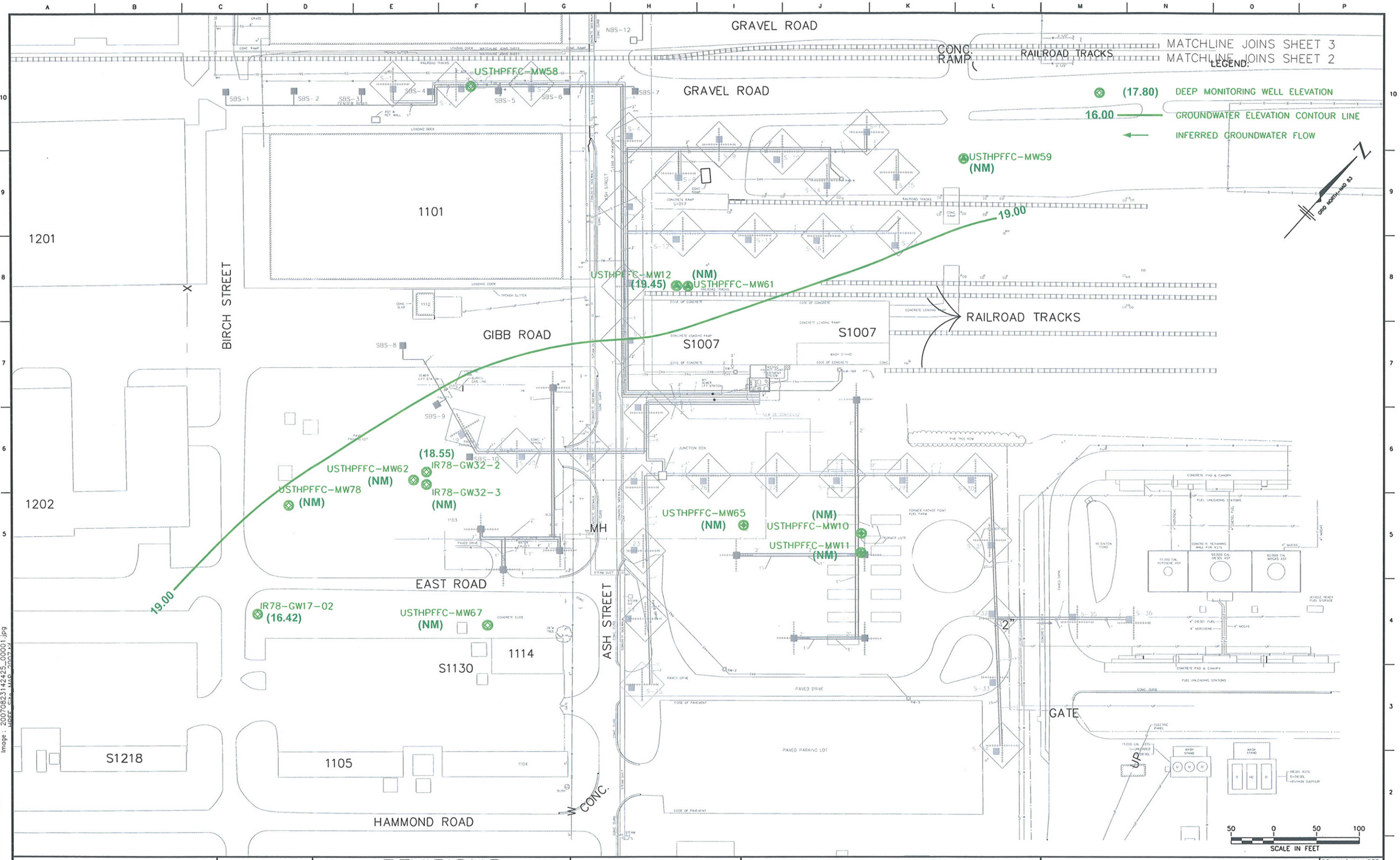
FIGURE 4.11
INTERMEDIATE WELL
GROUNDWATER ELEVATION MAP
MARCH, 2009
HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/13/09

File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-2-INT WELL-mar-2009-fig4-11.dwg
Plot Date/Time: May 21, 2009 - 1:03pm
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 1994_001-4-11.JPG
HPFF_Site_MAP_2007.tif



File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-2_DEEP WELL-MAR-2009-FIG4-12.dwg
Plot Date/Time: May 21, 2009 - 1:10pm
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 200708231142425_00001.jpg

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DRAWN: _____
DESIGNED: _____
CHECKED: _____
CHECKED: _____

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

FIGURE 4.12
DEEP WELL GROUNDWATER ELEVATION MAP MARCH, 2009 HPFF SOUTH EAST

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 05/13/09

IR78-GW13	
10/24/08	3/11/09
B = **4.8**	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

APPROX. 500' WEST

USTHPFFC-MW46	
10/24/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW46

USTHPFFC-MW48	
10/24/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW48

UST1115-MW04	
11/07/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

IR78-GW20	
11/03/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = 0.41J	T = NS
X = <3.0	X = NS

IR78-GW20

USTHPFFC-MW51	
10/23/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW51

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

HOLCOMB BLVD.

UST1115-MW08	
10/23/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW08

UST1115-MW06	
10/23/08	3/11/09
B = **24**	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW06

UST1115-MW04

IR78-GW19	
11/07/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

IR78-GW19

UST1115GT-MW04	
11/07/08	3/11/09
B = **39**	B = **53.6**
E = 352	E = 313
T = **1200**	T = 626
X = **1790**	X = **2180**

UST1115GT-MW06	
10/23/08	3/11/09
B = **1,770**	B = **4,000**
E = 452	E = **1,010**
T = 476	T = **3,060**
X = 331	X = **1,630**

UST1115-MW09

UST1115-MW09	
10/22/08	4/09/09
B = **125**	B = **460**
E = 0.5 J	E = 6.4 J
T = 0.41J	T = <10
X = <3.0	X = <30

UST1115GT-MW07	
10/29/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW54	
10/22/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW54

UST1115GT-MW01	
10/23/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

1220

1053

1232

1111

1100

1115

1050

BIRCH STREET

WEST R

L ROAD

UST1115-MW02	
10/24/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW02	
10/24/08	3/11/09
B = **57.6**	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW02

UST1115GT-MW03	
11/07/08	3/11/09
B = **186J**	B = **184**
E = **3890**	E = **3400**
T = **18100**	T = **8850**
X = **13600**	X = **10600**

UST1115-MW12	
10/23/08	3/11/09
B = **214**	B = **83.6**
E = 55	E = 21.9
T = 244	T = 29.8
X = 206	X = 43.6

UST1115GT-MW08	
10/21/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

IR78-GW22-2	
8/22/07	2/26/08
B = **101**	B = **75.8**
E = <1.0	E = 2.9
T = <1.0	T = 5.3
X = <3.0	X = 14.9

IR78-GW22-2

UST1115GT-MW09	
10/29/08	3/11/09
B = **16.7**	B = NS
E = <1.0	E = NS
T = 0.4 J	T = NS
X = <3.0	X = NS

USTHPFF-MW20	
10/30/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFF-MW20

USTHPFF-MW12	
10/21/08	3/12/09
B = **386**	B = **245**
E = 125	E = 24.2
T = 364	T = 168
X = 372	X = 113

UST1115-MW01	
10/29/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW01

UST1115-MW10	
10/23/08	3/11/09
B = **3.7**	B = NS
E = 1.2	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW03	
10/29/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW03

USTHPFFC-MW16	
10/29/08	3/11/09
B = **77.8**	B = **21.7**
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW07	
10/27/08	3/12/09
B = **2180**	B = **2810**
E = **745**	E = **1180**
T = **3410**	T = **8510**
X = **2930**	X = **4640**

USTHPFF-MW23	
10/27/08	3/11/09
B = **8.7**	B = NS
E = 9.9	E = NS
T = 1.0	T = NS
X = 14.1	X = NS

USTHPFFC-MW37	
10/29/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW36	
10/29/08	3/11/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW37

USTHPFFC-MW36

USTHPFFC-MW58

USTHPFFC-MW23

USTHPFF-MW11

USTHPFFC-MW21

USTHPFF-MW12

USTHPFF-MW21

CONC RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

SCALE IN FEET

50 0 50 100

File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_BETX_sht-1-SHALL WELL-2008-2009-FIG4-13.dwg
Plot Date/Time: May 21, 2009 - 1:28pm
Plotted By: John.Lange
Xref: HADNOTEBASE
Image: 200708231424 25_00001.jpg

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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 4.13
SHALLOW WELL BETX GROUNDWATER ANALYTICAL RESULTS 2008-2009
HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/15/09

USTHPFFC-MW73	
10/24/08	3/10/09
B = **1.1**	B = NS
E = <1.0	E = NS
T = 0.46J	T = NS
X = <3.0	X = NS

APPROX. 300' NORTH

USTHPFFC-MW47	
10/24/08	3/10/09
B = **1140**	B = **910**
E = 43.1	E = 25.2
T = <10	T = <20
X = <30	X = <60

USTHPFFC-MW47

1232

USTHPFFC-MW50

USTHPFFC-MW50	
10/24/08	3/10/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW17	
10/23/08	3/10/09
B = **494**	B = **372**
E = 11.9	E = 13.4
T = <5.0	T = 1.1
X = 15.4	X = 18.8

LEGEND:

INTERMEDIATE WELL ANALYTICAL RESULTS

BOLD INDICATES NCGOS EXCEEDENCE

ALL RESULTS IN µg/L

NS = NOT SAMPLED

BENZENE
ETHYLBENZENE
TOLUENE
TOTAL XYLENES

GRID NORTH-NAD 83

HOLCOMB BLVD.

ASH STREET

USTHPFFC-MW44	
10/24/08	3/10/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

APPROX. 550' WEST

UST1115-MW14	
10/23/08	3/10/09
B = **1050**	B = **99.4**
E = <10	E = **725**
T = <10	T = 0.59J
X = <30	X = 0.68J

UST1115-MW17

UST1115-MW13	
10/23/08	3/10/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW15	
10/23/08	3/10/09
B = <1.0	B = NS
E = 0.38J	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

UST1115-MW21	
10/24/08	3/10/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

1220

1053

USTHPFFC-MW53	
10/22/08	3/10/09
B = <1.0	B = NS
E = <1.0	E = NS
T = 0.83J	T = NS
X = <3.0	X = NS

USTHPFFC-MW53

BIRCH STREET

USTHPFFC-MW76	
10/29/08	3/10/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

APPROX. 350' WEST

UST1115-MW21

UST1115-MW14

UST1115-MW13

UST1115-MW15

1111

1100

1115

1050

UST1115-MW18	
10/21/08	3/10/09
B = **9.7**	B =NS
E = 0.5J	E = NS
T = 6.45J	T = NS
X = <3.0	X = NS

UST1115-MW18

UST1115-MW20	
10/27/08	3/11/09
B = **7670**	B = **14300**
E = 527	E = **729**
T = 91.7J	T = 119
X = **952**	X = **2140**

1108

UST1115-MW19	
10/27/08	3/10/09
B = <1.0	B = NS
E = <1.0	E = NS
T = 0.36J	T = NS
X = <3.0	X = NS

USTHPFFC-MW57	
10/24/08	3/10/09
B = **4.5**	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

1200

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE

MATCHLINE

GRAVEL ROAD

USTHPFFC-MW57

UST1115-MW20

UST1115-MW19

50 0 50 100
SCALE IN FEET

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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.

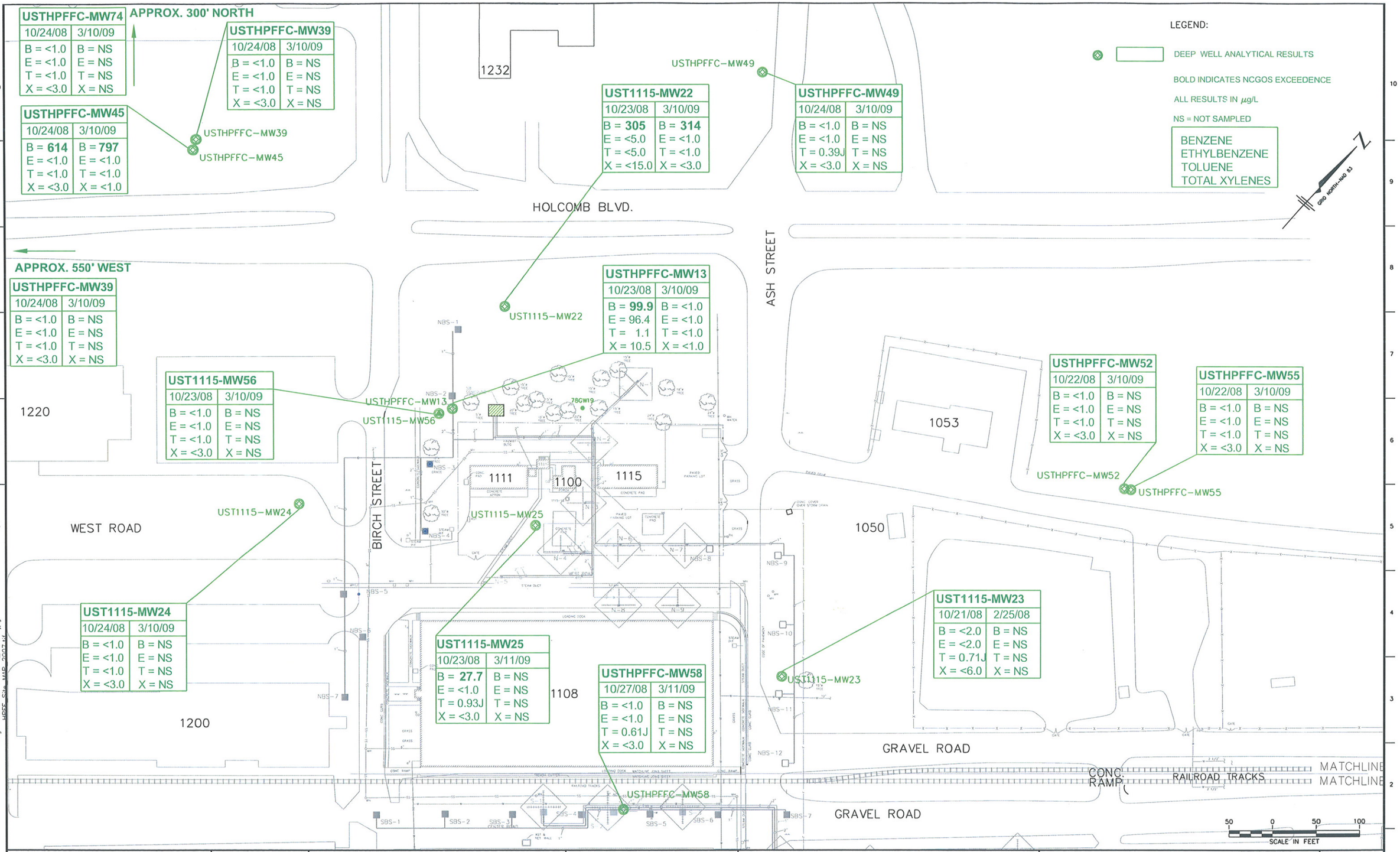
FIGURE 4.14
INTERMEDIATE WELL
BETX GROUNDWATER ANALYTICAL RESULTS
2008-2009
HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/18/09

File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_BETX_sht-1-INT WELL-2008-2009-FIG4-14.dwg
Plot Date/Time: May 21, 2009 - 1:48pm
Plotted By: John.Lange
Xref: HADNOTBASE
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Plotted By: John.Lange
Xref: H:\NOTEBASE
Image: 200708231442425_00001.jpg

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APPROVED: _____ DEPT. MANAGER _____ DATE: _____

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

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

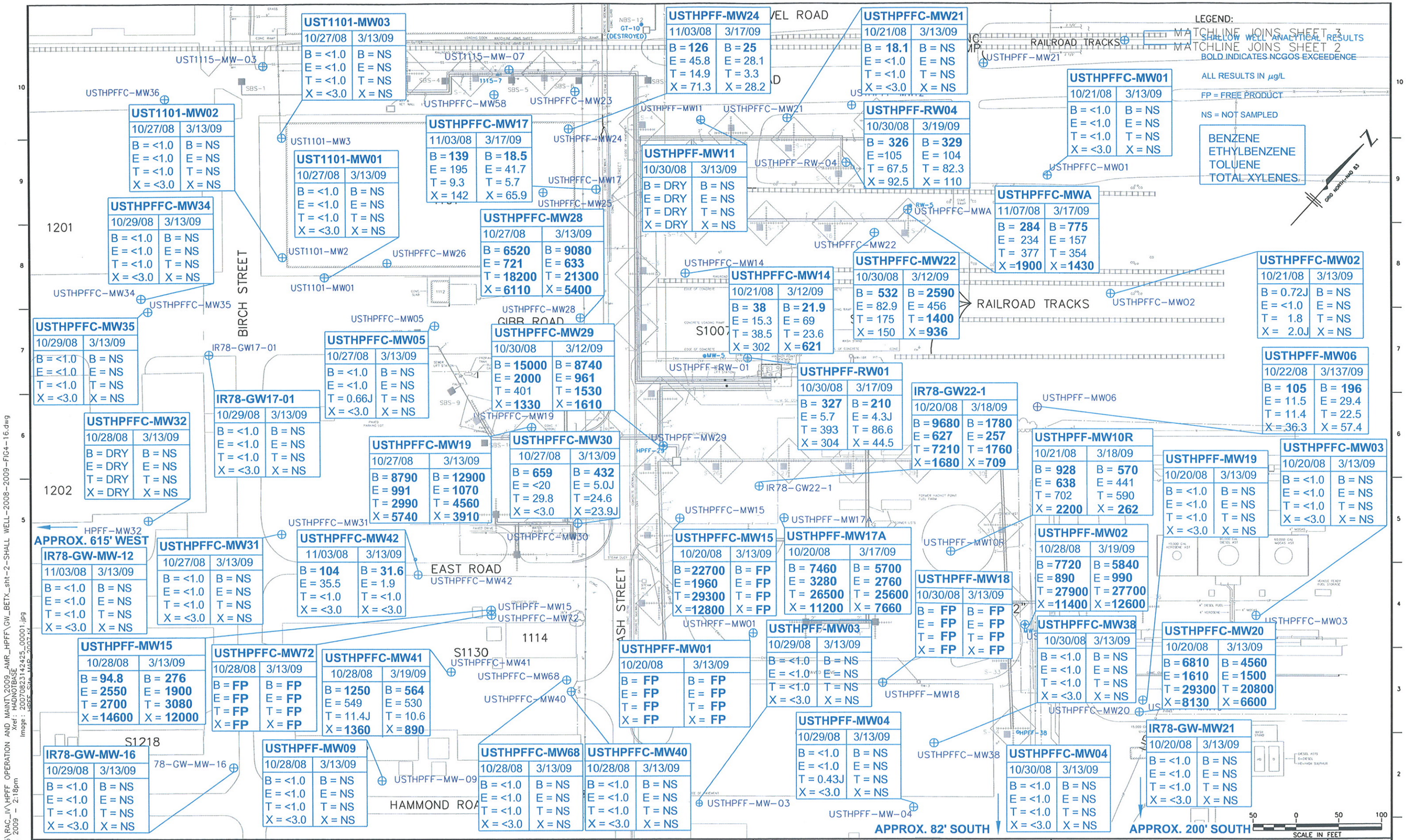
PROJECT No. 117407 MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.15
DEEP WELL
BETX GROUNDWATER ANALYTICAL RESULTS
2008-2009
HPFF NORTH WEST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/18/09



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CHECKED: _____
CHECKED: _____

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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 4.16
SHALLOW WELL BETX GROUNDWATER ANALYTICAL RESULTS 2008-2009 HPFF SOUTH EAST

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 05/20/09

File: G:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_BETX_sht-2-SHALL WELL-2008-2009-FIG4-16.dwg
Plot Date/Time: May 21, 2009 - 2:18pm
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg
Image: Size_width 20.71"

GRAVEL ROAD

GRAVEL ROAD

CONC. RAMP

RAILROAD TRACKS

MATCHLINE JOINS SHEET 3

MATCHLINE JOINS SHEET 2

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

UST1115-MW20

UST1115-MW19

SBS-1

SBS-2

SBS-3 CENTER ROAD

SBS-4

SBS-6

SBS-7

NBS-12

USTHPFFC-MW07

USTHPFFC-MW07	
10/21/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = 0.38J	T = NS
X = <3.0	X = NS

USTHPFFC-MW09	
10/27/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

1201

BIRCH STREET

USTHPFFC-MW60	
10/21/08	3/12/09
B = **956**	B = **7660**
E = 26.1	E = 254
T = 6.1J	T = 35.2
X = <30	X = 69.3

1101

USTHPFFC-MW60

USTHPFFC-MW09

GIBB ROAD

RAILROAD TRACKS

S1007

S1007

SBS-8

SBS-9

SBS-10

USTHPFFC-MW06	
10/20/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

1202

APPROX. 124' SOUTH

USTHPFFC-MW63	
10/28/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

MH

USTHPFFC-MW64

USTHPFFC-MW64	
11/17/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW08

USTHPFFC-MW08	
10/20/08	3/17/09
B = **7270**	B = **6240**
E = 485	E = **542**
T = **1650**	T = **1820**
X = **2020**	X = **1990**

USTHPFFC-MW06

EAST ROAD

USTHPFFC-MW66

USTHPFFC-MW66	
10/28/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

1114

S1130

ASH STREET

2"

USTHPFFC-MW69

USTHPFFC-MW69	
10/29/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

GATE

S1218

1105

USTHPFFC-MW77	
10/28/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

W CONC.

HAMMOND ROAD

APPROX. 45' SOUTH

USTHPFFC-MW70	
10/30/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = 0.35J	T = NS
X = <3.0	X = NS

APPROX. 84' SOUTH

50 0 50 100

SCALE IN FEET

File: G:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-2-INT WELL-2008-2009-FIG4-17.dwg
Plot Date/Time: May 21, 2009 - 1:59pm
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 20070823142425_00001.jpg

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APPROVED: _____ DEPT. MANAGER _____ DATE: _____

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

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DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION — NORFOLK, VIRGINIA

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

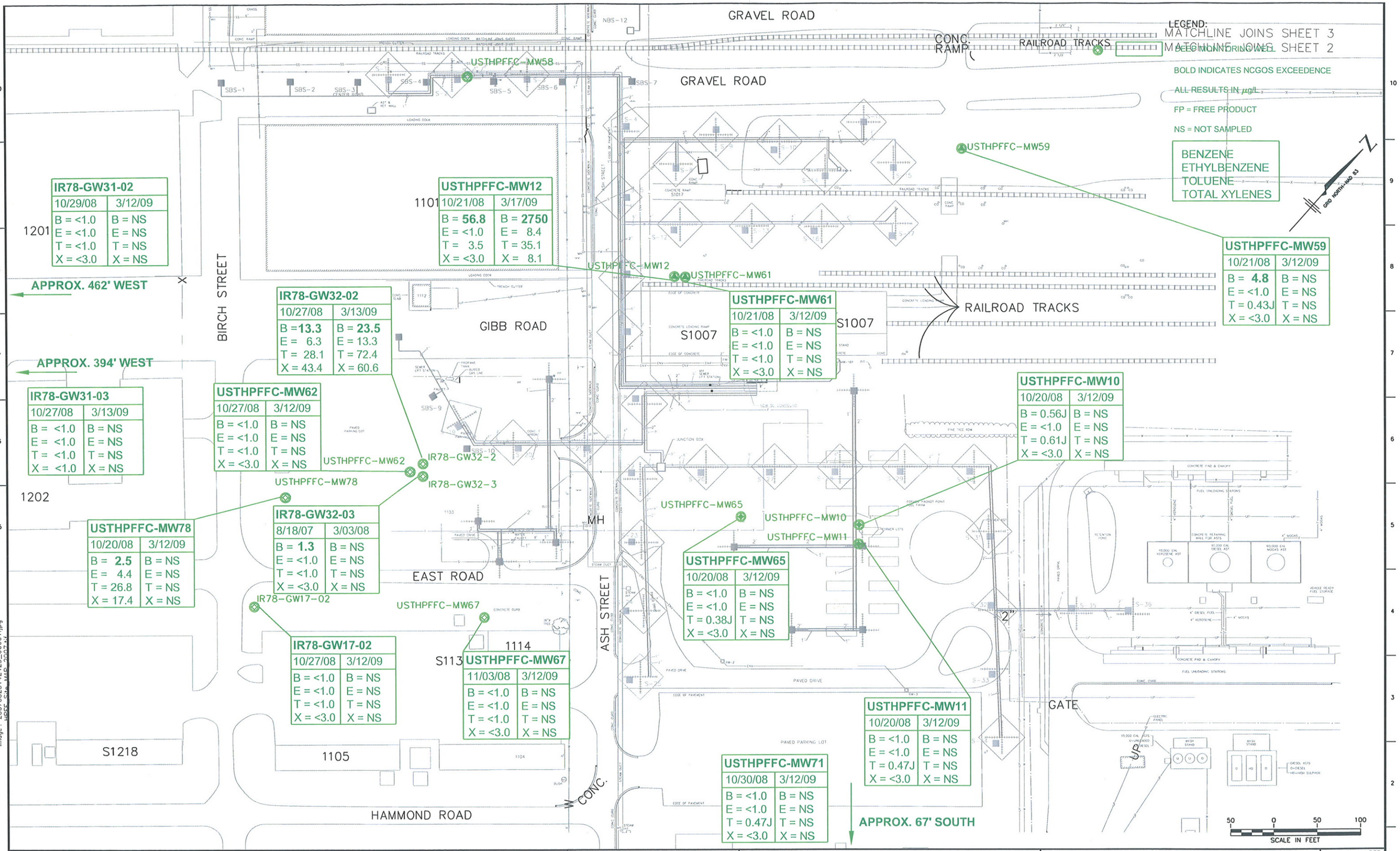
PROJECT No. 117407 — MARINE CORPS, CAMP LEJEUNE, N.C.

FIGURE 4.17
INTERMEDIATE WELL
BETX GROUNDWATER ANALYTICAL RESULTS
2008-2009
HPFF SOUTH EAST

DRAWING NUMBER:

SHEET NUMBER: of

DATE: 05/19/09



IR78-GW31-02	
10/29/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW12	
10/21/08	3/17/09
B = **56.8**	B = **2750**
E = <1.0	E = 8.4
T = 3.5	T = 35.1
X = <3.0	X = 8.1

USTHPFFC-MW59	
10/21/08	3/12/09
B = **4.8**	B = NS
E = <1.0	E = NS
T = 0.43J	T = NS
X = <3.0	X = NS

IR78-GW32-02	
10/27/08	3/13/09
B = **13.3**	B = **23.5**
E = 6.3	E = 13.3
T = 28.1	T = 72.4
X = 43.4	X = 60.6

USTHPFFC-MW61	
10/21/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW10	
10/20/08	3/12/09
B = 0.56J	B = NS
E = <1.0	E = NS
T = 0.61J	T = NS
X = <3.0	X = NS

IR78-GW31-03	
10/27/08	3/13/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <1.0	X = NS

USTHPFFC-MW62	
10/27/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW78	
10/20/08	3/12/09
B = **2.5**	B = NS
E = 4.4	E = NS
T = 26.8	T = NS
X = 17.4	X = NS

IR78-GW32-03	
8/18/07	3/03/08
B = **1.3**	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW65	
10/20/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = 0.38J	T = NS
X = <3.0	X = NS

USTHPFFC-MW11	
10/20/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = 0.47J	T = NS
X = <3.0	X = NS

IR78-GW17-02	
10/27/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW67	
11/03/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = <1.0	T = NS
X = <3.0	X = NS

USTHPFFC-MW71	
10/30/08	3/12/09
B = <1.0	B = NS
E = <1.0	E = NS
T = 0.47J	T = NS
X = <3.0	X = NS

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 4.18
DEEP WELL
BETX GROUNDWATER ANALYTICAL RESULTS
2008-2009
HPFF SOUTH EAST

DRAWING NUMBER:
SHEET NUMBER: of
DATE: 05/19/09

File: Q:\LEJEUNE-6-05\RAC_IV\HPFF OPERATION AND MAINT\2009_AMR_HPFF\GW_ELEV_sht-2-DEEP WELL-2008-2009-Fig4-18.dwg
Plot Date/Time: May 21, 2009 - 2:10pm
Plotted By: John.Lange
Xref: HADNOTBASE
Image: 200708231142425_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	
	HPFF-MW18	HPFFC-MW72	Pounds	Gallons
May-08	0	2	119.3	19.0
Jun-08	0	2	546.0	86.8
Jul-08	0	1	177.7	28.3
Aug-08	0	2	347.6	55.3
Sep-08	1	1	195.7	31.1
Oct-08	0	1	102.5	16.3
Nov-08	1	0	22.1	3.5
Dec-08	0	2	297.6	47.4
Jan-09	0	1	105.7	16.8
Feb-09	1	1	214.4	34.1
Mar-09	0	1	42.7	6.8
Apr-09	0	0	0	0
May-09	1	1	269.5	42.8
Total	**4**	**15**	**2440.8**	**388.2**

APPENDIX B

HISTORICAL GROUNDWATER ANALYTICAL RESULTS SE AND NW SHALLOW WELLS

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	MW-1115-01-04A
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	02/21/04
Analyte (ug/l)	GWQS	Result	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	<1.0
Ethylbenzene	550	56	<1.0	5.3	0.27 J	<1.0	<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	1.0
Xylenes (total)	530	100 B	<1.0	1.4	<1.0	<3.0	<3.0	1.6 J	<3.0	<3.0
Total BTEX		495		39.09	15.37	6		189.6		1
PAH EPA 610										
Naphthalene	21	<2.0	<2.0	3.9	<2.0	<5.0	<5.1	<5.1	<5.3	<5.1

Sample ID:		MW-1115-01-04C	UST1115-MW01	UST1115-MW01	UST1115-MW01	UST1115-MW01	UST1115-MW01	UST1115-MW01	UST1115-MW01	
Date Sampled:		08/19/04	03/24/05	08/18/05	01/23/06	10/03/06	08/21/07	02/26/08	10/29/08	
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	
VOA EPA 602										
Benzene	1	17.7	3.8	<1.0	<1.0	163	<1.0	NS	<1.0	
Ethylbenzene	550	0.92	<1.0	<1.0	<1.0	30.3	<1.0	NS	<1.0	
Toluene	1000	4.6	0.71 J	<1.0	<1.0	43.1	<1.0	NS	<1.0	
Xylenes (total)	530	2.9	<3.0	<3.0	<3.0	18.8	<3.0	NS	<3.0	
Total BTEX		26.12	4.51			255.2				
PAH EPA 610										
Naphthalene	21	<4.8	<4.8	<1.9	<1.9	1.1 J	NA	NS	<1.9	

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: 6/1/2009
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	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	10/24/08
Analyte (ug/l)	GWQS	Result	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	<1.0
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	<1.0
Toluene	1000	<1.0	0.52 J	3.3	<1.0	<1.0	<1.0	<1.0	NS	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NS	<3.0
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	<1.9

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: 6/1/2009
Samples analyzed by STL or Accutest

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	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	10/23/08
Analyte (ug/l)	GWQS	Result	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	<1.0
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	<1.0
Toluene	1000	<1.0	1.1	0.55 J	1.6	<1.0	1.1	<1.0	NS	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NS	<3.0
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	<1.9

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: 6/1/2009
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	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	10/23/08
Analyte (ug/l)	GWQS	Result	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**	**<1.0**
Ethylbenzene	550	**53**	**47.6**	**36.3**	**31.2**	**32**	**26.6**	**7.6**	**0.75 J**	**<1.0**
Toluene	1000	**<5.0**	**11.8**	**0.67 J**	**<10**	**13.5**	**25.7**	**0.35 J**	**0.37 J**	**<1.0**
Xylenes (total)	530	**11.7 J**	**16.3**	**11.8**	**<30**	**23.5**	**32**	**5.2**	**2.4 J**	**<3.0**
Total BTEX		**292.7**	**277.7**	**130.87**	**92.8**	**332**	**362.3**	**91.65**	**44.32**	
PAH EPA 610										
Naphthalene	21	**151**	**173**	**129**	**108**	**58.7**	**68.1**	NA	NA	**179**

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: 6/1/2009
Samples analyzed by STL or Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

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	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	10/23/08
Analyte (ug/l)	GWQS	Result	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	494
Ethylbenzene	550	3.5	<2.0	<5.0	<1.0	0.86 J	4.2	29.6	21.4	11.9
Toluene	1000	2.5	1.4 J	<5.0	<1.0	1.1	2.4	<5.0	<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	15.4
Total BTEX		42.9	38.4	72.3	11.9	41.26	178.6	340.9	474.8	521.3
PAH EPA 610										
Naphthalene	21	89.8	10.5	4.8	4.4	3.1	2.4	NA	NA	8.0

Sample ID:		UST1115-MW17
Date Sampled:		03/10/09
Analyte (ug/l)	GWQS	Result
VOA EPA 602		
Benzene	1	372
Ethylbenzene	550	13.4
Toluene	1000	1.1
Xylenes (total)	530	18.8
Total BTEX		405.3
PAH EPA 610		

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

Printed: 6/1/2009
Samples analyzed by STL or Accutest

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
Naphthalene	21	3.8								

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-1115-18**

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	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	10/21/08
Analyte (ug/l)	GWQS	Result	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	9.7
Ethylbenzene	550	76.8	NS	4.6	NS	<1.0	NS	<1.0	0.33 J	0.5 J
Toluene	1000	5.6	NS	2.0	NS	<1.0	NS	0.27 J	0.29 J	0.45 J
Xylenes (total)	530	15.7	NS	9.6	NS	<3.0	NS	<3.0	<3.0	<3.0
Total BTEX		2728.1		25.8				5.77	3.72	10.65
PAH EPA 610										
Naphthalene	21	19.8	NS	<4.8	NS	<2.0	NS	NA	NA	<1.9

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: 6/1/2009
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	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	10/24/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602										
Benzene	1	607	521	338	282	175	197	45.2	1.7	<1.0
Ethylbenzene	550	<5.0	<10	<1.0	<5.0	<1.0	<2.0	<1.0	0.34 J	<1.0
Toluene	1000	<5.0	<10	<1.0	<5.0	<1.0	1.1 J	<1.0	<1.0	<1.0
Xylenes (total)	530	<15	<30	<3.0	<15	<3.0	<6.0	<3.0	<3.0	<3.0
Total BTEX		607	521	338	282	175	198.1	45.2	2.04	
PAH EPA 610										
Naphthalene	21	3.9 J	5.3	2.9 J	2.5	2.1	1.8 J	NA	NA	<1.9

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: 6/1/2009
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	MW-1115-22-03C
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	08/19/03
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602											
Benzene	1	460	1100	900	940	700	1250	<1.0	251	1320	1930
Ethylbenzene	550	<5.0	<20	<10	5.6 J	<40	3.4	<1.0	<5.0	<20	4.4
Toluene	1000	1.4 J	<20	<10	4.2 J	<40	3.5	<1.0	<5.0	21	<10
Xylenes (total)	530	<5.0	29	<10	<10	<40	<3.0	<3.0	<15	<60	1.0 J
Total BTEX		461.4	1129	900	949.8	700	1256.9		251	1341	1935.4
PAH EPA 610											
Naphthalene	21	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<5.1	NA	<5.1	4.8 J

Sample ID:		MW-1115-22-04A	MW-1115-22-04C	UST1115-MW22	UST1115-MW22	UST1115-MW22	UST1115-MW22	UST1115-MW22	UST1115-MW22	UST1115-MW22	UST1115-MW22
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	10/23/08	3/10/09
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602											
Benzene	1	2230	3270	2850	3380	1830	3880	600	174	305	314
Ethylbenzene	550	<50	<50	<20	<50	6.0	<20	<10	0.59 J	<5.0	<1.0
Toluene	1000	<50	<50	20.3	32.4 J	16.4	35.7	<10	0.65 J	<5.0	<1.0
Xylenes (total)	530	<150	<150	<60	<150	14.4	32.6 J	<30	<6	<15	<3.0
Total BTEX		2230	3270	2870.3	3412.4	1866.8	3948.3	600	175.24	305	314
PAH EPA 610											
Naphthalene	21	3.2 J	5.7	4.0 J	2.8	2.9	3.1	NA	NA	<1.9	<1.9

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: 6/1/2009
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	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	10/21/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602										
Benzene	1	703	2720	3120	5240	7230	1910	<5.0	NS	<2.0
Ethylbenzene	550	14.8 J	38.6	54.3	91.7 J	124	49.6	<5.0	NS	<2.0
Toluene	1000	98.7	267	346	653	441	198	<5.0	NS	0.71 J
Xylenes (total)	530	35.9 J	112	208	315	318	96.4	<15	NS	<6.0
Total BTEX		852.4	3137.6	3728.3	6299.7	8113	2254			0.71
PAH EPA 610										
Naphthalene	21	<5.3	<4.8	<4.8	1.7 J	2.8	1.0 J	NA	NS	<1.9

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: 6/1/2009
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	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	10/24/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602										
Benzene	1	4100	3630	1030	3120	1750	2250	4.4	1.4	<1.0
Ethylbenzene	550	<50	<50	<20	<50	<1.0	<50	<1.0	0.36 J	<1.0
Toluene	1000	<50	<50	23.2	<50	0.69 J	<50	<1.0	<1.0	<1.0
Xylenes (total)	530	<150	<150	<60	<150	<3.0	<150	<3.0	<3.0	<3.0
Total BTEX		4100	3630	1053.2	3120	1750.69	2250	4.4	1.76	
PAH EPA 610										
Naphthalene	21	4.2 J	3.0 J	<4.8	<1.9	<1.9	<1.9	NA	NA	<1.9

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: 6/1/2009
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	MW-1115-25-03C
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	08/22/03
Analyte (ug/l)	GWQS	Result	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	3300
Ethylbenzene	550	20	39	29	53	15	0.57 J	<20	<20	<50	8.2
Toluene	1000	13 B	6.4	<10	15	3.1	<1.0	37.1	47.9	150	292
Xylenes (total)	530	44 B	73	32	33	7.9	<3.0	<60	<60	<150	15.3
Total BTEX		140	358.4	711	1201	55	3.67	1887.1	1707.9	2990	3615.5
PAH EPA 610											
Naphthalene	21	16	<2.1	10	39	11	<5.0	<5.2	NA	10	<5.2

Sample ID:		MW-1115-25-04A	MW-1115-25-04C	UST1115-MW25	UST1115-MW25	UST1115-MW25	UST1115-MW25	UST1115-MW25	UST1115-MW25	UST1115-MW25	
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	10/23/08	
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result	
VOA EPA 602											
Benzene	1	3580	5960	5170	4990	5000	5160	0.83 J	3.9	27.7	
Ethylbenzene	550	<50	40.4 J	47.3 J	58.3	61.7 J	54.6 J	<1.0	0.61 J	<1.0	
Toluene	1000	362	650	418	678	225	285	<1.0	<1.0	0.93 J	
Xylenes (total)	530	63.2 J	120 J	157	216	256 J	174 J	0.65 J	<3.0	<3.0	
Total BTEX		4005.2	6770.4	5792.3	5942.3	5542.7	5673.6	0	4.51	28.63	
PAH EPA 610											
Naphthalene	21	<5.0	<4.8	3.3 J	1.1 J	<1.9	<1.9	NA	NA	<1.9	

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: 6/1/2009
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	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	10/21/08
Analyte (ug/l)	GWQS	Result	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	101
Ethylbenzene	550	<1.0	<1.0	1.4	<1.0	3.7	6.3	NS	NS	<1.0
Toluene	1000	<1.0	<1.0	12.6	<1.0	17.3	18.1	NS	NS	<1.0
Xylenes (total)	530	<3.0	<3.0	6.3	<3.0	10.7	12.9	NS	NS	<3.0
Total BTEX		6.6	6.4	98.8	4.7	127.1	135.6	NS	NS	101
PAH EPA 610										
Naphthalene	21	<5.4	<4.8	<4.8	<1.9	<1.9	<1.9	NS	NS	<1.9

Sample ID:		IR78-GW22-2								
Date Sampled:		03/10/09								
Analyte (ug/l)	GWQS	Result								
VOA EPA 602										
Benzene	1	75.8								
Ethylbenzene	550	2.9								
Toluene	1000	5.3								
Xylenes (total)	530	14.9								
Total BTEX		98.9								
PAH EPA 610										

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

Printed: 6/1/2009
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
Naphthalene	21	<1.9								

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: 6/1/2009
Samples analyzed by STL or Accutest

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	**30**	**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	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	10/23/08
Analyte (ug/l)	GWQS	Result	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	<1.0
Ethylbenzene	550	**10.5**	**5.5**	**6.8**	**6.8**	**110**	**478**	<1.0	NS	<1.0
Toluene	1000	**2.7**	**8.6**	**1.8**	**2.7 J**	**19**	**480**	<1.0	NS	<1.0
Xylenes (total)	530	**8.3**	**4.4**	**3.7**	<15	**86.3**	**189**	<3.0	NS	<3.0
Total BTEX		51.2	63.2	48.1	277.5	1315.3	3867		NS	
PAH EPA 610										
Naphthalene	21	<5.4	**10.7**	<4.8	**6.5**	**3.2**	**3.7**	NA	NS	<1.9

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: 6/1/2009
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	UST1115GT-MW07
Date Sampled:		08/17/05	01/25/06	10/09/06	08/21/07	02/26/08	10/21/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result
VOA EPA 602							
Benzene	1	22.7	421	220	0.65 J	71	<1.0
Ethylbenzene	550	<1.0	1.3	2.1	0.35 J	0.89 J	<1.0
Toluene	1000	<1.0	2.60	<1.0	0.95 J	<1.0	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	1.7 J	<3.0	<3.0
Total BTEX		22.7	424.9	222.1	3.65	71.89	
PAH EPA 610							
Naphthalene	21	<1.9	<1.9	<1.9	NA	NA	<1.9

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: 6/1/2009
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	UST1115GT-MW09
Date Sampled:		08/17/05	01/23/06	10/02/06	08/22/07	02/26/08	10/21/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result
VOA EPA 602							
Benzene	1	<1.0	**154**	**9.7**	**21.4**	**2.3**	**16.7**
Ethylbenzene	550	<1.0	**4.7**	**1.2**	<1.0	**0.21 J**	<1.0
Toluene	1000	<1.0	**22.3**	**2.2**	<1.0	<1.0	**0.4 J**
Xylenes (total)	530	<3.0	**13.5**	**1.8 J**	<3.0	<3.0	<3.0
Total BTEX			**194.5**	**14.9**	**21.4**	**2.51**	**17.1**
PAH EPA 610							
Naphthalene	21	<1.9	<1.9	<1.9	NA	NA	<1.9

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: 6/1/2009
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: 6/1/2009
Samples analyzed by STL or Accutest

CLJ - Hadnot Point - Bldg. 1115
Project #125709

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	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	10/21/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602										
Benzene	1	197	480	487	1060	1770	1280	1240	720	928
Ethylbenzene	550	175	602	108	319	631	650	307	494	638
Toluene	1000	650	2210	288	929	2190	1990	828	1420	702
Xylenes (total)	530	861	2590	524	1510	2940	2900	1320	2520	2700
Total BTEX		1883	5882	1407	3818	7531	6820	3695	5154	4968
PAH EPA 610										
Naphthalene	21	50.9	178	34.5	53.6	99.6	132	NA	NA	95.3

Sample ID:		USTHPFF-10R								
Date Sampled:		03/18/09								
Analyte (ug/l)	GWQS	Result								
VOA EPA 602										
Benzene	1	570								
Ethylbenzene	550	441								
Toluene	1000	590								
Xylenes (total)	530	2620								
Total BTEX		4221								
PAH EPA 610										

J= estimated
B= detected in blank

Printed: 6/1/2009
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
Naphthalene	21	79.6								

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **MW-11**

Sample ID:		CLJ-0011-002-MW-11	CLJ-0011-019-MW-11	CLJ-0011-036-MW-11	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		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: 6/1/2009
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	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	10/20/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602										
Benzene	1	5520	4910	6500	7380	5630	4480	7240	6480	7460
Ethylbenzene	550	2690	2070	3300	3270	2260	2240	2740	2720	3280
Toluene	1000	24800	20000	22300	26200	22800	16400	26600	25200	26500
Xylenes (total)	530	10200	7990	12000	12300	9200	8280	7780	9420	11200
Total BTEX		43210	34970	44100	49150	39890	31400	44360	43820	48440
PAH EPA 610										
Naphthalene	21	432	402	419	373	302	372	NA	NA	366

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
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: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFFC-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	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	10/21/08
Analyte (ug/l)	GWQS	Result	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	<1.0
Ethylbenzene	550	<1.0	<1.0	<1.0	<1.0	4.8	<1.0	NS	<1.0
Toluene	1000	0.88 J	<1.0	<1.0	<1.0	6.6	<1.0	NS	<1.0
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	4.0	<3.0	NS	<3.0
Total BTEX		4.68				41.7			
PAH EPA 610									
Naphthalene	21	<4.8	<4.8	<1.9	<2.0	<1.9	NA	NS	<1.9

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFFC-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	USTHPFFC-MW05
Date Sampled:		08/22/05	01/24/06	10/06/06	08/16/07	02/28/08	10/27/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result
VOA EPA 602							
Benzene	1	<1.0	<1.0	156	<1.0	3.9	<1.0
Ethylbenzene	550	<1.0	<1.0	50.4	<1.0	2.3	<1.0
Toluene	1000	<1.0	<1.0	485	0.66 J	4.5	<1.0
Xylenes (total)	530	<3.0	<3.0	217	<3.0	12.4	<3.0
Total BTEX				908.4		23.1	
PAH EPA 610							
Naphthalene	21	<1.9	<1.9	10	NA	NA	<1.9

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFFC-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	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	10/21/08
Analyte (ug/l)	GWQS	Result	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	<1.0
Ethylbenzene	550	<1.0	0.9 J	0.56 J	<1.0	<1.0	2.1	<1.0	2.6	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	19.3	0.38 J
Xylenes (total)	530	<3.0	<3.0	<3.0	<3.0	<3.0	1.2 J	<3.0	7.7	<3.0
Total BTEX			2.4	0.56			9.8	2	40.9	0.38
PAH EPA 610										
Naphthalene	21	<5.1	<4.8	<4.8	<1.9	<1.9	<1.9	NA	NA	<1.9

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFFC-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	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	10/20/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602										
Benzene	1	10200	11500	10600	7710	7480	4940	7730	2760	7270
Ethylbenzene	550	609	627	859	349	331	303	323	163	485
Toluene	1000	1230	1540	1680	145	327	765	324	134	1650
Xylenes (total)	530	1530	2130	2750	801	617	695	979	455	2020
Total BTEX		13569	15797	15889	9005	8755	6703	9356	3512	11425
PAH EPA 610										
Naphthalene	21	184	171	165	80.9	87.7	95.7	NA	NA	208

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

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

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFFC-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	USTHPFFC-MW11
Date Sampled:		08/20/05	01/24/06	12/01/06	08/23/07	02/28/08	10/20/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result
VOA EPA 602							
Benzene	1	44.7	96.7	41.2	<1.0	NS	<1.0
Ethylbenzene	550	<1.0	33.5	<1.0	<1.0	NS	<1.0
Toluene	1000	0.83 J	471	<1.0	<1.0	NS	0.47 J
Xylenes (total)	530	2.9 J	133	<3.0	<3.0	NS	<3.0
Total BTEX		48.43	734.2	41.2			0.47
PAH EPA 610							
Naphthalene	21	<1.9	3.9	<1.9	NA	NS	<1.9

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFFC-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	HPFF-19-03C
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	08/27/03
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602										
Benzene	1	28000	12000	17000	19000	13000	15000	16800	16300	7760
Ethylbenzene	550	3100	2000	2100	2000	1600	1780	1580	1420	481
Toluene	1000	32000	23000	26000	23000	19000	20300	20600	17800	10600
Xylenes (total)	530	12000	7900	9600	9000	8100	9300	7360	6630	12800
Total BTEX		75100	44900	54700	53000	41700	46380	46340	42150	31641
PAH EPA 610										
Naphthalene	21	370	260	280	390	290	326	261	220	266

Sample ID:		HPFF-19-04A	HPFF-19-04C	USTHPFFC-MW19	USTHPFFC-MW19	USTHPFFC-MW19	USTHPFFC-MW19	USTHPFFC-MW19	USTHPFFC-MW19	USTHPFFC-MW19
Date Sampled:		02/14/04	09/08/04	04/18/05	01/24/06	10/06/06	08/20/07	02/27/08	10/27/08	03/13/09
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602										
Benzene	1	11300	10900	3720	12100	1110	13700	3760	8790	12900
Ethylbenzene	550	847	723	858	711	92.8	970	447	991	1070
Toluene	1000	13800	12300	8230	9910	975	11200	2330	7990	4960
Xylenes (total)	530	10300	7660	4350	3920	615	3350	2040	5740	3910
Total BTEX		36247	31583	17158	26641	2792.8	29220	8577	23511	22840
PAH EPA 610										
Naphthalene	21	216	316	235	155	N/A	NA	N/A	96.8	99.3

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFFC-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	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	10/20/08
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602										
Benzene	1	6430	3030	13200	1030	4050	453	374	3210	6810
Ethylbenzene	550	444	362	954	537	698	265	272	1040	1610
Toluene	1000	9790	2770	13200	498	10600	130	77.3	7360	25300
Xylenes (total)	530	6140	2920	7400	1810	3180	712	599	2260	8130
Total BTEX		22804	9082	34754	3875	18528	1560	1322.3	13870	41850
PAH EPA 610										
Naphthalene	21	98.9	68.6	238	101	143	53.6	NA	NA	394

Bold type indicates detectable concentrations.

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

Sample ID:		USTHPFFC-MW20
Date Sampled:		03/19/09
Analyte (ug/l)	GWQS	Result
VOA EPA 602		
Benzene	1	4560
Ethylbenzene	550	1500
Toluene	1000	20800
Xylenes (total)	530	6600
Total BTEX		33460
PAH EPA 610		
Naphthalene	21	NS

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

Analytical Data Summary

SE Shallow Well **HPFFC-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

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

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	HPFF-78GW322-03A
Date Sampled:		01/28/99	10/15/99	07/20/00	01/31/01	07/22/01	02/09/02	08/14/02	02/21/03
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602									
Benzene	1	170	<1.0	8.9	39	1.9	228	13.1	109
Ethylbenzene	550	18	<1.0	<1.0	30	2.9	<10	1.4	1.9
Toluene	1000	190	<1.0	1.1	86	8	95.2	15.5	1.7
Xylenes (total)	530	94	<1.0	1.2	120	9.2	984	8.6	1.7 J
Total BTEX		472		11.2	275	22	1307.2	38.6	114.3
PAH EPA 610									
Naphthalene	21	5.2	<2.0	<2.0	2.4	<2.0	16	<5.2	<5.1

Sample ID:		GW-32-2-03C	GW-32-2-04A	GW-32-2-04C	IR78-GW32-2	IR78-GW32-2	IR78-GW32-2	IR78-GW32-2	IR78-GW32-2
Date Sampled:		08/25/03	02/23/04	09/13/04	04/06/05	08/18/07	03/03/08	10/27/08	03/13/09
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602									
Benzene	1	176	325	321	604	915	33.7	13.3	23.5
Ethylbenzene	550	<5.0	16	37.4	15.4	705	12.7	6.3	13.3
Toluene	1000	3.5 J	43.9	149	48.4	2930	96.3	28.1	72.4
Xylenes (total)	530	<15	55.7	178	110	3200	68.9	43.4	60.6
Total BTEX		179.5	440.6	685.4	777.8	7750	211.6	91.1	169.8
PAH EPA 610									
Naphthalene	21	<5.1	2.1 J	6.7	6.7	NA	NA	<1.9	<1.9

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
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	HPFF-78GW323-03A
Date Sampled:		01/28/99	10/15/99	07/19/00	01/31/01	07/22/01	02/09/02	08/14/02	02/21/03
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	Result
VOA EPA 602									
Benzene	1	84	<1.0	25	7.3	98	2.7	124	7.1
Ethylbenzene	550	5.6	<1.0	110	31	<10	<1.0	14	1.3
Toluene	1000	120	<1.0	310	82	<10	2.2	88.7	1.2
Xylenes (total)	530	35	<1.0	420	120	<10	4.1	153	<3.0
Total BTEX		244.6		865	240.3	98	9	379.7	9.6
PAH EPA 610									
Naphthalene	21	2.7	<2.0	12	3.4	<2.0	<5.0	3.3 J	2.7 J

Sample ID:		GW-32-3-03C	GW-32-3-04A	GW-32-3-04C	IR78-GW32-3	IR78-GW32-3	IR78-GW32-3	IR78-GW32-3	
Date Sampled:		08/26/03	02/23/04	09/09/04	04/06/05	08/18/07	03/03/08	10/27/08	
Analyte (ug/l)	GWQS	Result	Result	Result	Result	Result	Result	Result	
VOA EPA 602									
Benzene	1	0.64 J	20.9	28.9	8.2	74.6	0.53 J	1.3	
Ethylbenzene	550	1.4	59.8	8.7	1.4	54	0.69 J	<1.0	
Toluene	1000	2.4	183	60.6	5.5	321	3.4	<1.0	
Xylenes (total)	530	10.5	255	64	20.5	679	3.9	<3.0	
Total BTEX		14.94	518.7	162.2	35.6	1128.6	7.3	1.3	
PAH EPA 610									
Naphthalene	21	<5.5	8.7	2.4	<4.9	NA	NA	<1.9	

Bold type indicates detectable concentrations.

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

J= estimated
B= detected in blank

Printed: 6/1/2009
Samples analyzed by STL or Accutest

APPENDIX C

LABORATORY GROUNDWATER ANALYTICAL REPORTS, OCTOBER 2008

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/04/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F60969

Sampling Date: 10/20/08

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: 77

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

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F60969

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F60969-1	10/20/08	14:15	MM	10/21/08	AQ	Ground Water	USTHPFFC-MW03
F60969-2	10/20/08	15:03	MM	10/21/08	AQ	Ground Water	USTHPFFC-MW06
F60969-3	10/20/08	10:40	MM	10/21/08	AQ	Ground Water	USTHPFFC-MW08
F60969-4	10/20/08	11:00	MM	10/21/08	AQ	Ground Water	USTHPFFC-MW10
F60969-5	10/20/08	10:30	MM	10/21/08	AQ	Ground Water	USTHPFFC-MW11
F60969-6	10/20/08	14:45	MM	10/21/08	AQ	Ground Water	USTHPFFC-MW15
F60969-7	10/20/08	15:50	MM	10/21/08	AQ	Ground Water	USTHPFFC-MW20
F60969-8	10/20/08	14:00	MM	10/21/08	AQ	Ground Water	USTHPFFC-MW65
F60969-9	10/20/08	14:05	MM	10/21/08	AQ	Ground Water	USTHPFFC-MW78
F60969-10	10/20/08	14:45	MM	10/21/08	AQ	Ground Water	USTHPFF-MW02
F60969-11	10/20/08	11:35	MM	10/21/08	AQ	Ground Water	USTHPFF-MW17
F60969-12	10/20/08	13:30	MM	10/21/08	AQ	Ground Water	USTHPFF-MW19
F60969-13	10/20/08	12:00	MM	10/21/08	AQ	Ground Water	IR78-GW21

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F60969

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F60969-14	10/20/08	11:45	MM	10/21/08	AQ	Ground Water	IR78-GW22-1
F60969-15	10/20/08	00:00	MM	10/21/08	AQ	Trip Blank Water	TRIP BLANK-102008

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW03		
Lab Sample ID:	F60969-1	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0030947.D	1	10/29/08	MM	n/a	n/a	VM1272
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW03		
Lab Sample ID:	F60969-1	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	97%		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:	USTHPFFC-MW03		
Lab Sample ID:	F60969-1	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058605.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		43-121%
92-94-4	p-Terphenyl	79%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F60969-2	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0030948.D	1	10/29/08	MM	n/a	n/a	VM1272
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F60969-2	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	98%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW06		
Lab Sample ID:	F60969-2	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058606.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	87%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F60969-3	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0030950.D	100	10/29/08	MM	n/a	n/a	VM1272
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	7270	100	40	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	485	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	ug/l	
75-09-2	Methylene chloride [a]	104	500	100	ug/l	J
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	1650	100	35	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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:	F60969-3	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	30	ug/l	
1330-20-7	Xylene (total)	2020	300	120	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	94%		76-127%
2037-26-5	Toluene-D8	103%		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:	USTHPFFC-MW08		
Lab Sample ID:	F60969-3	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058607.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2 [a]	EE058658.D	4	10/31/08	MRE	10/23/08	OP26919	GEE2141

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1030 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	208 [b]	7.8	3.9	ug/l	
90-12-0	1-Methylnaphthalene	21.0	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	38.2	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%	88%	43-121%
92-94-4	p-Terphenyl	86%	83%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFFC-MW10		
Lab Sample ID:	F60969-4	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0030949.D	1	10/29/08	MM	n/a	n/a	VM1272
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	0.56	1.0	0.40	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	0.45	1.0	0.34	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.61	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F60969-4	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	102%		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:	USTHPFFC-MW10		
Lab Sample ID:	F60969-4	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058608.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		43-121%
92-94-4	p-Terphenyl	96%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW11		
Lab Sample ID:	F60969-5	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042335.D	1	10/30/08	KW	n/a	n/a	VJ2638
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.47	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW11		
Lab Sample ID:	F60969-5	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	94%		76-127%
2037-26-5	Toluene-D8	95%		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-MW11		
Lab Sample ID:	F60969-5	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058609.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		43-121%
92-94-4	p-Terphenyl	88%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW15		
Lab Sample ID:	F60969-6	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042365.D	500	10/31/08	KW	n/a	n/a	VJ2640
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	22700	500	200	ug/l	
75-27-4	Bromodichloromethane	ND	500	100	ug/l	
75-25-2	Bromoform	ND	500	170	ug/l	
108-90-7	Chlorobenzene	ND	500	110	ug/l	
75-00-3	Chloroethane	ND	1000	240	ug/l	
67-66-3	Chloroform	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	1000	200	ug/l	
56-23-5	Carbon tetrachloride	ND	500	110	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	120	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	270	ug/l	
107-06-2	1,2-Dichloroethane	1460	500	170	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	110	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	110	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	230	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	1960	500	220	ug/l	
591-78-6	2-Hexanone	ND	5000	2500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1000	ug/l	
74-83-9	Methyl bromide	ND	1000	390	ug/l	
74-87-3	Methyl chloride	ND	1000	310	ug/l	
75-09-2	Methylene chloride [a]	2850	2500	500	ug/l	
78-93-3	Methyl ethyl ketone	1050	2500	1000	ug/l	J
100-42-5	Styrene	ND	500	180	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	170	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	110	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	130	ug/l	
127-18-4	Tetrachloroethylene	ND	500	110	ug/l	
108-88-3	Toluene	29300	500	180	ug/l	
79-01-6	Trichloroethylene	ND	500	160	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-MW15		
Lab Sample ID:	F60969-6	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	150	ug/l	
1330-20-7	Xylene (total)	12800	1500	580	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	90%		76-127%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	102%		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-MW15		
Lab Sample ID:	F60969-6	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058610.D	5	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	9.7	4.9	ug/l	
208-96-8	Acenaphthylene	ND	9.7	4.9	ug/l	
120-12-7	Anthracene	ND	9.7	4.9	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.97	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.97	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.97	0.24	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.97	0.49	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.97	0.24	ug/l	
218-01-9	Chrysene	ND	9.7	2.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.97	0.24	ug/l	
206-44-0	Fluoranthene	ND	9.7	2.4	ug/l	
86-73-7	Fluorene	ND	9.7	4.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.97	0.24	ug/l	
91-20-3	Naphthalene	413	9.7	4.9	ug/l	
90-12-0	1-Methylnaphthalene	68.3	9.7	2.4	ug/l	
91-57-6	2-Methylnaphthalene	142	9.7	2.4	ug/l	
85-01-8	Phenanthrene	ND	9.7	4.9	ug/l	
129-00-0	Pyrene	ND	9.7	2.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		43-121%
92-94-4	p-Terphenyl	82%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F60969-7	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042346.D	500	10/30/08	KW	n/a	n/a	VJ2638
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	6810	500	200	ug/l	
75-27-4	Bromodichloromethane	ND	500	100	ug/l	
75-25-2	Bromoform	ND	500	170	ug/l	
108-90-7	Chlorobenzene	ND	500	110	ug/l	
75-00-3	Chloroethane	ND	1000	240	ug/l	
67-66-3	Chloroform	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	1000	200	ug/l	
56-23-5	Carbon tetrachloride	ND	500	110	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	120	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	270	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	170	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	110	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	110	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	230	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	1610	500	220	ug/l	
591-78-6	2-Hexanone	ND	5000	2500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1000	ug/l	
74-83-9	Methyl bromide	ND	1000	390	ug/l	
74-87-3	Methyl chloride	ND	1000	310	ug/l	
75-09-2	Methylene chloride [a]	1660	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
100-42-5	Styrene	ND	500	180	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	170	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	110	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	130	ug/l	
127-18-4	Tetrachloroethylene	ND	500	110	ug/l	
108-88-3	Toluene	25300	500	180	ug/l	
79-01-6	Trichloroethylene	ND	500	160	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:	F60969-7	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	150	ug/l	
1330-20-7	Xylene (total)	8130	1500	580	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	95%		86-112%
460-00-4	4-Bromofluorobenzene	102%		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-MW20		
Lab Sample ID:	F60969-7	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058611.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2 [a]	AA046055.D	5	10/30/08	MRE	10/23/08	OP26919	GAA1853

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	394 [b]	9.6	4.8	ug/l	
90-12-0	1-Methylnaphthalene	38.7	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	87.8	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%	109%	43-121%
92-94-4	p-Terphenyl	86%	90%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFFC-MW65		
Lab Sample ID:	F60969-8	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042366.D	1	10/31/08	KW	n/a	n/a	VJ2640
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.38	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW65		
Lab Sample ID:	F60969-8	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	92%		76-127%
2037-26-5	Toluene-D8	95%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW65		
Lab Sample ID:	F60969-8	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058612.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		43-121%
92-94-4	p-Terphenyl	91%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW78		
Lab Sample ID:	F60969-9	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042348.D	1	10/30/08	KW	n/a	n/a	VJ2638
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	2.5	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	4.4	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	26.8	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW78		
Lab Sample ID:	F60969-9	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	17.4	3.0	1.2	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	95%		76-127%
2037-26-5	Toluene-D8	95%		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-MW78		
Lab Sample ID:	F60969-9	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058615.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	1.1	1.9	0.96	ug/l	J
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		43-121%
92-94-4	p-Terphenyl	95%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW02		
Lab Sample ID:	F60969-10	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042349.D	500	10/30/08	KW	n/a	n/a	VJ2638
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	7720	500	200	ug/l	
75-27-4	Bromodichloromethane	ND	500	100	ug/l	
75-25-2	Bromoform	ND	500	170	ug/l	
108-90-7	Chlorobenzene	ND	500	110	ug/l	
75-00-3	Chloroethane	ND	1000	240	ug/l	
67-66-3	Chloroform	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	1000	200	ug/l	
56-23-5	Carbon tetrachloride	ND	500	110	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	120	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	270	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	170	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	110	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	110	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	230	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	890	500	220	ug/l	
591-78-6	2-Hexanone	ND	5000	2500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1000	ug/l	
74-83-9	Methyl bromide	ND	1000	390	ug/l	
74-87-3	Methyl chloride	ND	1000	310	ug/l	
75-09-2	Methylene chloride [a]	1690	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
100-42-5	Styrene	ND	500	180	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	170	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	110	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	130	ug/l	
127-18-4	Tetrachloroethylene	ND	500	110	ug/l	
108-88-3	Toluene	27900	500	180	ug/l	
79-01-6	Trichloroethylene	ND	500	160	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-MW02		
Lab Sample ID:	F60969-10	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	150	ug/l	
1330-20-7	Xylene (total)	11400	1500	580	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	94%		76-127%
2037-26-5	Toluene-D8	95%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFF-MW17		
Lab Sample ID:	F60969-11	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042350.D	500	10/30/08	KW	n/a	n/a	VJ2638
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	7460	500	200	ug/l	
75-27-4	Bromodichloromethane	ND	500	100	ug/l	
75-25-2	Bromoform	ND	500	170	ug/l	
108-90-7	Chlorobenzene	ND	500	110	ug/l	
75-00-3	Chloroethane	ND	1000	240	ug/l	
67-66-3	Chloroform	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	1000	200	ug/l	
56-23-5	Carbon tetrachloride	ND	500	110	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	120	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	270	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	170	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	110	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	110	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	230	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	3280	500	220	ug/l	
591-78-6	2-Hexanone	ND	5000	2500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1000	ug/l	
74-83-9	Methyl bromide	ND	1000	390	ug/l	
74-87-3	Methyl chloride	ND	1000	310	ug/l	
75-09-2	Methylene chloride [a]	1650	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
100-42-5	Styrene	ND	500	180	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	170	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	110	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	130	ug/l	
127-18-4	Tetrachloroethylene	ND	500	110	ug/l	
108-88-3	Toluene	26500	500	180	ug/l	
79-01-6	Trichloroethylene	ND	500	160	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-MW17		
Lab Sample ID:	F60969-11	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	150	ug/l	
1330-20-7	Xylene (total)	11200	1500	580	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	94%		76-127%
2037-26-5	Toluene-D8	94%		86-112%
460-00-4	4-Bromofluorobenzene	104%		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-MW17		
Lab Sample ID:	F60969-11	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058618.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2 [a]	AA046056.D	5	10/30/08	MRE	10/23/08	OP26919	GAA1853

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	1.9	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	366 [b]	9.6	4.8	ug/l	
90-12-0	1-Methylnaphthalene	43.9	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	85.1	1.9	0.48	ug/l	
85-01-8	Phenanthrene	1.4	1.9	0.96	ug/l	J
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%	105%	43-121%
92-94-4	p-Terphenyl	83%	85%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFF-MW19		
Lab Sample ID:	F60969-12	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042367.D	1	10/31/08	KW	n/a	n/a	VJ2640
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW19		
Lab Sample ID:	F60969-12	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	91%		76-127%
2037-26-5	Toluene-D8	95%		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-MW19		
Lab Sample ID:	F60969-12	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058619.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		43-121%
92-94-4	p-Terphenyl	77%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW21		
Lab Sample ID:	F60969-13	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042352.D	1	10/30/08	KW	n/a	n/a	VJ2638
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.67	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.55	1.0	0.32	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-GW21		
Lab Sample ID:	F60969-13	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	92%		76-127%
2037-26-5	Toluene-D8	96%		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:	IR78-GW21		
Lab Sample ID:	F60969-13	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058620.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		43-121%
92-94-4	p-Terphenyl	86%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW22-1		
Lab Sample ID:	F60969-14	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042353.D	100	10/30/08	KW	n/a	n/a	VJ2638
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	9680	100	40	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	417	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	627	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	ug/l	
75-09-2	Methylene chloride [a]	410	500	100	ug/l	J
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	7210	100	35	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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-GW22-1		
Lab Sample ID:	F60969-14	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
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	30	ug/l	
1330-20-7	Xylene (total)	1680	300	120	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	94%		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 Laboratories

Report of Analysis

Client Sample ID:	IR78-GW22-1		
Lab Sample ID:	F60969-14	**Date Sampled:**	10/20/08
Matrix:	AQ - Ground Water	**Date Received:**	10/21/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058621.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2 [a]	AA046057.D	2	10/30/08	MRE	10/23/08	OP26919	GAA1853

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.070	0.19	0.048	ug/l	J
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	113 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	9.2	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	19.3	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%	85%	43-121%
92-94-4	p-Terphenyl	76%	79%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	TRIP BLANK-102008		
Lab Sample ID:	F60969-15	**Date Sampled:**	10/20/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042354.D	1	10/30/08	KW	n/a	n/a	VJ2638
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-102008		
Lab Sample ID:	F60969-15	**Date Sampled:**	10/20/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/21/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	96%		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-102008-1

Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F60969

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	

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610	Analysis Desired
1	USTHPFFC-MW03	10/20/08	14:15		X	USTHPFFC-MW03	5	X	X	
2	USTHPFFC-MW06	10/20/08	15:03		X	USTHPFFC-MW06	5	X	X	
3	USTHPFFC-MW08	10/20/08	10:40		X	USTHPFFC-MW08	5	X	X	
4	USTHPFFC-MW10	10/20/08	11:00		X	USTHPFFC-MW10	5	X	X	
5	USTHPFFC-MW11	10/20/08	10:30		X	USTHPFFC-MW11	5	X	X	
6	USTHPFFC-MW15	10/20/08	14:45		X	USTHPFFC-MW15	5	X	X	
7	USTHPFFC-MW20	10/20/08	15:50		X	USTHPFFC-MW20	5	X	X	
8	USTHPFFC-MW65	10/20/08	14:00		X	USTHPFFC-MW65	5	X	X	
9	USTHPFFC-MW78	10/20/08	14:05		X	USTHPFFC-MW78	5	X	X	
10										

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 9		FedEx	10/20/08	17:00
2		FX	J. Comer	10-21-08	09:30
3					

Remarks

14 Day TAT

FedEx 8660 0186 2220, 8660 0186 2230, 8668 3649 7241, 8668 3649 7241

2.4 1.8 1.2 1.0

F60969: Chain of Custody
Page 1 of 3

ACCUTEST Laboratories F60969

COC Number:
125709-HPFF-102008-2

F60969

CHAIN-OF-CUSTODY RECORD

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	

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610											
1D	USTHPFF-MW02	10/20/08	14:45		X	USTHPFF-MW02	5	X	X											
2	USTHPFF-MW17	10/20/08	11:35		X	USTHPFF-MW17	5	X	X											
3	USTHPFF-MW19	10/20/08	13:30		X	USTHPFF-MW19	5	X	X											
4	IR78-GW21	10/20/08	12:00		X	IR78-GW21	5	X	X											
5	IR78-GW22-1	10/20/08	11:45		X	IR78-GW22-1	5	X	X											
6	TripBlank-102008	10/20/08	—		X	Trip Blank	2	X												
7																				
8																				
9																				
10																				

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 6		FedEx	10/20/08	17:00
2					
3					

Remarks

14 Day TAT

FedEx 8660 0186 2220, 8660 0186 2230, 8668 3649 7241, 8668 3649 7241

2.4 1.8 1.2 1.0

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F60969 CLIENT: SHAW PROJECT: CAMP LEJEUNE-MPFF

DATE/TIME RECEIVED: 10-21-08 09:30 # OF COOLERS RECEIVED: 4 COOLER TEMPS: 2.4 1.8 1.2 1.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3649 7241

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)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [X] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [X] 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: RECEIVED 2 EXTRA VIALS WITH ID (MW01) 15:15 NOT ON COC and 2 AMBERS (BROKEN) WE PLACE as SAMPLE 16

RECEIVED 2 AMBER WITH ID MW10R (1 EMPTY and 1 WITH 0.25 ml NOT ON COC; WILL BE SAMPLE 17

RECEIVED 2 AMBERS BROKEN FOR SAMPLE # 10 (625)

TECHNICIAN SIGNATURE/DATE JC 10-21-08 TECHNICIAN SIGNATURE/DATE ET 10-21-08 ASBD 12/17/07

F60969: 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: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1272-MB	M0030928.D	1	10/29/08	MM	n/a	n/a	VM1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-1, F60969-2, F60969-3, F60969-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1272-MB	M0030928.D	1	10/29/08	MM	n/a	n/a	VM1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-1, F60969-2, F60969-3, F60969-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	76-127%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Method Blank Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2638-MB	J042330.D	1	10/30/08	KW	n/a	n/a	VJ2638

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-5, F60969-7, F60969-9, F60969-10, F60969-11, F60969-13, F60969-14, F60969-15

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2638-MB	J042330.D	1	10/30/08	KW	n/a	n/a	VJ2638

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-5, F60969-7, F60969-9, F60969-10, F60969-11, F60969-13, F60969-14, F60969-15

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	95%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Method Blank Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2640-MB	J042361.D	1	10/31/08	KW	n/a	n/a	VJ2640

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-6, F60969-8, F60969-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2640-MB	J042361.D	1	10/31/08	KW	n/a	n/a	VJ2640

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-6, F60969-8, F60969-12

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	90%	76-127%
2037-26-5	Toluene-D8	93%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Blank Spike Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1272-BS	M0030930.D	1	10/29/08	MM	n/a	n/a	VM1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-1, F60969-2, F60969-3, F60969-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	86.1	69	59-134
71-43-2	Benzene	25	29.0	116	83-124
75-27-4	Bromodichloromethane	25	26.7	107	76-116
75-25-2	Bromoform	25	26.5	106	68-128
108-90-7	Chlorobenzene	25	29.6	118*	87-115
75-00-3	Chloroethane	25	23.4	94	54-166
67-66-3	Chloroform	25	29.8	119	85-123
75-15-0	Carbon disulfide	25	23.8	95	67-147
56-23-5	Carbon tetrachloride	25	30.3	121	74-139
75-34-3	1,1-Dichloroethane	25	31.3	125	82-127
75-35-4	1,1-Dichloroethylene	25	29.9	120	75-133
107-06-2	1,2-Dichloroethane	25	25.3	101	76-122
78-87-5	1,2-Dichloropropane	25	29.7	119	81-120
124-48-1	Dibromochloromethane	25	24.8	99	74-116
156-59-2	cis-1,2-Dichloroethylene	25	27.0	108	81-114
10061-01-5	cis-1,3-Dichloropropene	25	28.6	114	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.2	117	82-126
10061-02-6	trans-1,3-Dichloropropene	25	30.3	121	87-123
100-41-4	Ethylbenzene	25	28.3	113	87-118
591-78-6	2-Hexanone	125	125	100	58-125
108-10-1	4-Methyl-2-pentanone	125	125	100	62-125
74-83-9	Methyl bromide	25	19.4	78	55-151
74-87-3	Methyl chloride	25	19.9	80	55-173
75-09-2	Methylene chloride	25	25.9	104	69-125
78-93-3	Methyl ethyl ketone	125	115	92	61-127
100-42-5	Styrene	25	27.1	108	78-118
71-55-6	1,1,1-Trichloroethane	25	29.3	117	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	27.7	111	71-120
79-00-5	1,1,2-Trichloroethane	25	27.9	112	80-114
127-18-4	Tetrachloroethylene	25	28.4	114	80-131
108-88-3	Toluene	25	29.1	116	86-116
79-01-6	Trichloroethylene	25	28.6	114	85-124
75-01-4	Vinyl chloride	25	19.2	77	57-153
1330-20-7	Xylene (total)	75	86.5	115	86-120

Blank Spike Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1272-BS	M0030930.D	1	10/29/08	MM	n/a	n/a	VM1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-1, F60969-2, F60969-3, F60969-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2638-BS	J042329.D	1	10/30/08	KW	n/a	n/a	VJ2638

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-5, F60969-7, F60969-9, F60969-10, F60969-11, F60969-13, F60969-14, F60969-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	106	85	59-134
71-43-2	Benzene	25	27.4	110	83-124
75-27-4	Bromodichloromethane	25	24.7	99	76-116
75-25-2	Bromoform	25	24.7	99	68-128
108-90-7	Chlorobenzene	25	25.6	102	87-115
75-00-3	Chloroethane	25	27.6	110	54-166
67-66-3	Chloroform	25	26.8	107	85-123
75-15-0	Carbon disulfide	25	22.4	90	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	26.9	108	75-133
107-06-2	1,2-Dichloroethane	25	24.3	97	76-122
78-87-5	1,2-Dichloropropane	25	26.0	104	81-120
124-48-1	Dibromochloromethane	25	24.6	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.3	105	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.2	105	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.0	112	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.1	108	87-123
100-41-4	Ethylbenzene	25	26.0	104	87-118
591-78-6	2-Hexanone	125	117	94	58-125
108-10-1	4-Methyl-2-pentanone	125	120	96	62-125
74-83-9	Methyl bromide	25	25.6	102	55-151
74-87-3	Methyl chloride	25	24.5	98	55-173
75-09-2	Methylene chloride	25	26.8	107	69-125
78-93-3	Methyl ethyl ketone	125	110	88	61-127
100-42-5	Styrene	25	26.4	106	78-118
71-55-6	1,1,1-Trichloroethane	25	27.1	108	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.9	100	71-120
79-00-5	1,1,2-Trichloroethane	25	25.6	102	80-114
127-18-4	Tetrachloroethylene	25	26.4	106	80-131
108-88-3	Toluene	25	26.9	108	86-116
79-01-6	Trichloroethylene	25	26.8	107	85-124
75-01-4	Vinyl chloride	25	25.0	100	57-153
1330-20-7	Xylene (total)	75	79.8	106	86-120

Blank Spike Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2638-BS	J042329.D	1	10/30/08	KW	n/a	n/a	VJ2638

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-5, F60969-7, F60969-9, F60969-10, F60969-11, F60969-13, F60969-14, F60969-15

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	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2640-BS	J042360.D	1	10/31/08	KW	n/a	n/a	VJ2640

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-6, F60969-8, F60969-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	115	92	59-134
71-43-2	Benzene	25	28.7	115	83-124
75-27-4	Bromodichloromethane	25	24.6	98	76-116
75-25-2	Bromoform	25	24.8	99	68-128
108-90-7	Chlorobenzene	25	26.2	105	87-115
75-00-3	Chloroethane	25	23.7	95	54-166
67-66-3	Chloroform	25	27.2	109	85-123
75-15-0	Carbon disulfide	25	23.8	95	67-147
56-23-5	Carbon tetrachloride	25	28.1	112	74-139
75-34-3	1,1-Dichloroethane	25	28.5	114	82-127
75-35-4	1,1-Dichloroethylene	25	26.9	108	75-133
107-06-2	1,2-Dichloroethane	25	23.7	95	76-122
78-87-5	1,2-Dichloropropane	25	26.7	107	81-120
124-48-1	Dibromochloromethane	25	25.6	102	74-116
156-59-2	cis-1,2-Dichloroethylene	25	27.1	108	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.3	109	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.5	114	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.3	109	87-123
100-41-4	Ethylbenzene	25	26.7	107	87-118
591-78-6	2-Hexanone	125	120	96	58-125
108-10-1	4-Methyl-2-pentanone	125	123	98	62-125
74-83-9	Methyl bromide	25	21.2	85	55-151
74-87-3	Methyl chloride	25	23.3	93	55-173
75-09-2	Methylene chloride	25	27.9	112	69-125
78-93-3	Methyl ethyl ketone	125	116	93	61-127
100-42-5	Styrene	25	27.7	111	78-118
71-55-6	1,1,1-Trichloroethane	25	26.8	107	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.5	106	71-120
79-00-5	1,1,2-Trichloroethane	25	26.7	107	80-114
127-18-4	Tetrachloroethylene	25	26.7	107	80-131
108-88-3	Toluene	25	28.0	112	86-116
79-01-6	Trichloroethylene	25	27.5	110	85-124
75-01-4	Vinyl chloride	25	22.4	90	57-153
1330-20-7	Xylene (total)	75	81.4	109	86-120

Blank Spike Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2640-BS	J042360.D	1	10/31/08	KW	n/a	n/a	VJ2640

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-6, F60969-8, F60969-12

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	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%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61135-4MS	M0030939.D	1	10/29/08	MM	n/a	n/a	VM1272
F61135-4MSD	M0030940.D	1	10/29/08	MM	n/a	n/a	VM1272
F61135-4	M0030934.D	1	10/29/08	MM	n/a	n/a	VM1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-1, F60969-2, F60969-3, F60969-4

CAS No.	Compound	F61135-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	103	82	89.2	71	14	59-134/14
71-43-2	Benzene	ND		25	28.2	113	27.1	108	4	83-124/11
75-27-4	Bromodichloromethane	ND		25	25.8	103	24.5	98	5	76-116/10
75-25-2	Bromoform	ND		25	26.1	104	25.7	103	2	68-128/11
108-90-7	Chlorobenzene	ND		25	28.8	115	27.3	109	5	87-115/9
75-00-3	Chloroethane	ND		25	23.7	95	22.7	91	4	54-166/20
67-66-3	Chloroform	ND		25	28.7	115	27.5	110	4	85-123/10
75-15-0	Carbon disulfide	ND		25	24.2	97	23.6	94	3	67-147/12
56-23-5	Carbon tetrachloride	ND		25	29.7	119	28.9	116	3	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	30.8	123	30.0	120	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	29.2	117	29.6	118	1	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.0	100	23.9	96	4	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	29.4	118	28.0	112	5	81-120/11
124-48-1	Dibromochloromethane	ND		25	23.4	94	22.9	92	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.6	102	24.6	98	4	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.1	104	25.2	101	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	36.4	146*	28.6	114	24*	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	28.5	114	27.4	110	4	87-123/10
100-41-4	Ethylbenzene	ND		25	27.4	110	25.7	103	6	87-118/10
591-78-6	2-Hexanone	ND		125	126	101	133	106	5	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	129	103	131	105	2	62-125/13
74-83-9	Methyl bromide	ND		25	18.1	72	17.9	72	1	55-151/21
74-87-3	Methyl chloride	ND		25	20.6	82	18.9	76	9	55-173/22
75-09-2	Methylene chloride	ND		25	27.5	110	21.4	86	25*	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	116	93	123	98	6	61-127/13
100-42-5	Styrene	ND		25	26.1	104	24.8	99	5	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	28.6	114	28.2	113	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	28.2	113	28.6	114	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	26.9	108	26.7	107	1	80-114/11
127-18-4	Tetrachloroethylene	ND		25	28.2	113	27.2	109	4	80-131/12
108-88-3	Toluene	ND		25	27.8	111	26.9	108	3	86-116/10
79-01-6	Trichloroethylene	ND		25	28.2	113	27.4	110	3	85-124/10
75-01-4	Vinyl chloride	ND		25	18.4	74	18.3	73	1	57-153/22
1330-20-7	Xylene (total)	ND		75	82.4	110	78.8	105	4	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61135-4MS	M0030939.D	1	10/29/08	MM	n/a	n/a	VM1272
F61135-4MSD	M0030940.D	1	10/29/08	MM	n/a	n/a	VM1272
F61135-4	M0030934.D	1	10/29/08	MM	n/a	n/a	VM1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-1, F60969-2, F60969-3, F60969-4

CAS No.	Surrogate Recoveries	MS	MSD	F61135-4	Limits
1868-53-7	Dibromofluoromethane	98%	99%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	95%	97%	98%	76-127%
2037-26-5	Toluene-D8	99%	101%	105%	86-112%
460-00-4	4-Bromofluorobenzene	92%	98%	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F60917-1MS	J042343.D	1	10/30/08	KW	n/a	n/a	VJ2638
F60917-1MSD	J042344.D	1	10/30/08	KW	n/a	n/a	VJ2638
F60917-1	J042334.D	1	10/30/08	KW	n/a	n/a	VJ2638

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-5, F60969-7, F60969-9, F60969-10, F60969-11, F60969-13, F60969-14, F60969-15

CAS No.	Compound	F60917-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	45.7		125	134	71	136	72	1	59-134/14
71-43-2	Benzene	1.0 U		25	27.2	109	26.8	107	1	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	24.6	98	24.6	98	0	76-116/10
75-25-2	Bromoform	1.0 U		25	24.5	98	24.5	98	0	68-128/11
108-90-7	Chlorobenzene	0.38	I	25	25.6	101	25.2	99	2	87-115/9
75-00-3	Chloroethane	2.0 U		25	27.9	112	27.2	109	3	54-166/20
67-66-3	Chloroform	1.0 U		25	26.7	107	26.9	108	1	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	23.6	94	24.4	98	3	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	27.4	110	28.4	114	4	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	27.5	110	27.4	110	0	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	26.7	107	27.5	110	3	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	24.6	98	25.1	100	2	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25.5	102	25.9	104	2	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	24.4	98	24.0	96	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.2		25	26.8	102	26.8	102	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.9	100	25.2	101	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	27.2	109	27.4	110	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.2	105	25.8	103	2	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	25.6	102	25.4	102	1	87-118/10
591-78-6	2-Hexanone	10 U		125	122	98	121	97	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	126	101	125	100	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	23.8	95	23.9	96	0	55-151/21
74-87-3	Methyl chloride	2.0 U		25	22.8	91	22.4	90	2	55-173/22
75-09-2	Methylene chloride	5.0 U		25	25.6	102	26.4	106	3	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	111	89	111	89	0	61-127/13
100-42-5	Styrene	1.0 U		25	28.3	113	26.7	107	6	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.8	107	27.2	109	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	25.0	100	24.4	98	2	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.9	100	24.7	99	1	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	25.4	102	25.6	102	1	80-131/12
108-88-3	Toluene	1.0 U		25	26.5	106	26.1	104	2	86-116/10
79-01-6	Trichloroethylene	8.0		25	33.2	101	33.4	102	1	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	21.8	87	22.1	88	1	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	78.6	105	77.6	103	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F60917-1MS	J042343.D	1	10/30/08	KW	n/a	n/a	VJ2638
F60917-1MSD	J042344.D	1	10/30/08	KW	n/a	n/a	VJ2638
F60917-1	J042334.D	1	10/30/08	KW	n/a	n/a	VJ2638

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-5, F60969-7, F60969-9, F60969-10, F60969-11, F60969-13, F60969-14, F60969-15

CAS No.	Surrogate Recoveries	MS	MSD	F60917-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	100%	96%	76-127%
2037-26-5	Toluene-D8	99%	98%	95%	86-112%
460-00-4	4-Bromofluorobenzene	101%	100%	103%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F60936-2MS	J042363.D	1	10/31/08	KW	n/a	n/a	VJ2640
F60936-2MSD	J042364.D	1	10/31/08	KW	n/a	n/a	VJ2640
F60936-2	J042362.D	1	10/31/08	KW	n/a	n/a	VJ2640

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-6, F60969-8, F60969-12

CAS No.	Compound	F60936-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	91.8	73	94.0	75	2	59-134/14
71-43-2	Benzene	ND		25	27.5	110	27.5	110	0	83-124/11
75-27-4	Bromodichloromethane	ND		25	23.5	94	24.3	97	3	76-116/10
75-25-2	Bromoform	ND		25	22.9	92	23.1	92	1	68-128/11
108-90-7	Chlorobenzene	0.88	J	25	26.0	100	26.3	102	1	87-115/9
75-00-3	Chloroethane	ND		25	18.9	76	20.6	82	9	54-166/20
67-66-3	Chloroform	ND		25	26.1	104	26.1	104	0	85-123/10
75-15-0	Carbon disulfide	ND		25	22.2	89	21.9	88	1	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.5	106	26.3	105	1	74-139/13
75-34-3	1,1-Dichloroethane	0.34	J	25	27.8	110	27.6	109	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	24.6	98	25.3	101	3	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	22.7	91	23.4	94	3	76-122/11
78-87-5	1,2-Dichloropropane	0.56	J	25	26.4	103	26.2	103	1	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.0	96	24.7	99	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.5		25	27.8	105	27.6	104	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.2	105	25.9	104	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.1	108	27.1	108	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.7	103	26.2	105	2	87-123/10
100-41-4	Ethylbenzene	ND		25	25.6	102	25.7	103	0	87-118/10
591-78-6	2-Hexanone	ND		125	102	82	109	87	7	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	108	86	114	91	5	62-125/13
74-83-9	Methyl bromide	ND		25	16.6	66	19.0	76	13	55-151/21
74-87-3	Methyl chloride	ND		25	17.6	70	16.3	65	8	55-173/22
75-09-2	Methylene chloride	ND		25	25.7	103	25.7	103	0	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	95.9	77	102	82	6	61-127/13
100-42-5	Styrene	ND		25	26.3	105	26.4	106	0	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	25.4	102	26.3	105	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.5	98	24.6	98	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.0	100	25.1	100	0	80-114/11
127-18-4	Tetrachloroethylene	11.0		25	35.8	99	36.4	102	2	80-131/12
108-88-3	Toluene	ND		25	26.9	108	26.7	107	1	86-116/10
79-01-6	Trichloroethylene	10.8		25	36.5	103	36.8	104	1	85-124/10
75-01-4	Vinyl chloride	ND		25	16.9	68	17.1	68	1	57-153/22
1330-20-7	Xylene (total)	ND		75	77.8	104	78.1	104	0	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F60936-2MS	J042363.D	1	10/31/08	KW	n/a	n/a	VJ2640
F60936-2MSD	J042364.D	1	10/31/08	KW	n/a	n/a	VJ2640
F60936-2	J042362.D	1	10/31/08	KW	n/a	n/a	VJ2640

The QC reported here applies to the following samples: **Method:** SW846 8260B

F60969-6, F60969-8, F60969-12

CAS No.	Surrogate Recoveries	MS	MSD	F60936-2	Limits
1868-53-7	Dibromofluoromethane	100%	101%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	89%	93%	89%	76-127%
2037-26-5	Toluene-D8	97%	99%	94%	86-112%
460-00-4	4-Bromofluorobenzene	102%	101%	102%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-MB	EE058604.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139

The QC reported here applies to the following samples: **Method:** EPA 610

F60969-1, F60969-2, F60969-3, F60969-4, F60969-5, F60969-6, F60969-7, F60969-8, F60969-9, F60969-11, F60969-12, F60969-13, F60969-14

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	85%	43-121%
92-94-4	p-Terphenyl	87%	30-122%

Method Blank Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-MB	AA046053.D	1	10/30/08	MRE	10/23/08	OP26919	GAA1853

The QC reported here applies to the following samples: **Method:** EPA 610

F60969-1, F60969-2, F60969-3, F60969-4, F60969-5, F60969-6, F60969-7, F60969-8, F60969-9, F60969-11, F60969-12, F60969-13, F60969-14

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Method Blank Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-MB	EE058657.D	1	10/31/08	MRE	10/23/08	OP26919	GEE2141

The QC reported here applies to the following samples: **Method:** EPA 610

F60969-1, F60969-2, F60969-3, F60969-4, F60969-5, F60969-6, F60969-7, F60969-8, F60969-9, F60969-11, F60969-12, F60969-13, F60969-14

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	85%	43-121%
92-94-4	p-Terphenyl	88%	30-122%

Blank Spike Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-BS	EE058603.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139

The QC reported here applies to the following samples: **Method:** EPA 610

F60969-1, F60969-2, F60969-3, F60969-4, F60969-5, F60969-6, F60969-7, F60969-8, F60969-9, F60969-11, F60969-12, F60969-13, F60969-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	17.0	85	60-102
208-96-8	Acenaphthylene	20	17.9	90	66-108
120-12-7	Anthracene	10	9.8	98	64-107
56-55-3	Benzo(a)anthracene	10	9.6	96	70-108
50-32-8	Benzo(a)pyrene	10	8.4	84	72-115
205-99-2	Benzo(b)fluoranthene	10	9.8	98	73-111
191-24-2	Benzo(g,h,i)perylene	10	8.8	88	69-113
207-08-9	Benzo(k)fluoranthene	10	9.8	98	70-111
218-01-9	Chrysene	10	9.9	99	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.8	98	71-114
206-44-0	Fluoranthene	20	18.9	95	68-110
86-73-7	Fluorene	20	17.8	89	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.2	92	69-110
91-20-3	Naphthalene	20	14.8	74	55-94
90-12-0	1-Methylnaphthalene	20	15.4	77	55-97
91-57-6	2-Methylnaphthalene	20	15.1	76	51-97
85-01-8	Phenanthrene	20	19.1	96	67-108
129-00-0	Pyrene	20	19.4	97	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F60969
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-MS	EE058616.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
OP26919-MSD	EE058617.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
F60969-9 [a]	EE058615.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139

The QC reported here applies to the following samples: **Method:** EPA 610

F60969-1, F60969-2, F60969-3, F60969-4, F60969-5, F60969-6, F60969-7, F60969-8, F60969-9, F60969-11, F60969-12, F60969-13, F60969-14

CAS No.	Compound	F60969-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	34.3	89	31.3	81	9	60-102/33
208-96-8	Acenaphthylene	ND		38.5	36.7	95	33.3	87	10	66-108/32
120-12-7	Anthracene	ND		19.2	20.2	105	17.8	93	13	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.9	103	17.4	90	13	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	17.8	93	15.2	79	16	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	20.0	104	17.6	92	13	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	18.1	94	15.8	82	14	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	20.4	106	17.8	93	14	70-111/21
218-01-9	Chrysene	ND		19.2	20.4	106	17.9	93	13	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	20.5	107	17.9	93	14	71-114/23
206-44-0	Fluoranthene	ND		38.5	38.9	101	34.4	89	12	68-110/17
86-73-7	Fluorene	ND		38.5	36.1	94	32.6	85	10	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	19.1	99	16.7	87	13	69-110/22
91-20-3	Naphthalene	1.1	J	38.5	30.1	75	27.6	69	9	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	31.6	82	28.9	75	9	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	31.3	81	28.6	74	9	51-97/25
85-01-8	Phenanthrene	ND		38.5	39.0	101	34.9	91	11	67-108/22
129-00-0	Pyrene	ND		38.5	39.8	103	35.3	92	12	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F60969-9	Limits
84-15-1	o-Terphenyl	95%	84%	92%	43-121%
92-94-4	p-Terphenyl	97%	86%	95%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/05/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61005

Sampling Date: 10/21/08

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: **91**

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.

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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F61005

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61005-1	10/21/08	11:15	JC	10/22/08	AQ	Ground Water	USTHPFFC-MW01
F61005-2	10/21/08	09:40	JC	10/22/08	AQ	Ground Water	USTHPFFC-MW02
F61005-3	10/21/08	10:10	JC	10/22/08	AQ	Ground Water	USTHPFFC-MW07
F61005-4	10/21/08	09:15	JC	10/22/08	AQ	Ground Water	USTHPFFC-MW12
F61005-5	10/21/08	08:40	JC	10/22/08	AQ	Ground Water	USTHPFFC-MW14
F61005-6	10/21/08	11:30	JC	10/22/08	AQ	Ground Water	USTHPFFC-MW21
F61005-7	10/21/08	10:35	JC	10/22/08	AQ	Ground Water	USTHPFFC-MW59
F61005-8	10/21/08	10:10	JC	10/22/08	AQ	Ground Water	USTHPFFC-MW60
F61005-9	10/21/08	10:20	JC	10/22/08	AQ	Ground Water	USTHPFFC-MW61
F61005-10	10/21/08	12:15	JC	10/22/08	AQ	Ground Water	UST1115-MW18
F61005-11	10/21/08	12:55	JC	10/22/08	AQ	Ground Water	UST1115-MW23
F61005-12	10/21/08	14:10	JC	10/22/08	AQ	Ground Water	UST1115GT-MW07
F61005-13	10/21/08	14:15	JC	10/22/08	AQ	Ground Water	UST1115GT-MW08

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F61005

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61005-14	10/21/08	13:45	JC	10/22/08	AQ	Ground Water	UST1115GT-MW09
F61005-15	10/21/08	13:45	JC	10/22/08	AQ	Ground Water	IR-78-GW22-2
F61005-16	10/21/08	08:30	JC	10/22/08	AQ	Ground Water	USTHPFF-MW10R
F61005-17	10/21/08	11:00	JC	10/22/08	AQ	Ground Water	USTHPFF-MW12
F61005-18	10/21/08	00:00	JC	10/22/08	AQ	Trip Blank Water	TRIP BLANK-102108

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW01		
Lab Sample ID:	F61005-1	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058925.D	1	10/31/08	LD	n/a	n/a	VC2391
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61005-1	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	97%		76-127%
2037-26-5	Toluene-D8	100%		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-MW01		
Lab Sample ID:	F61005-1	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058622.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		43-121%
92-94-4	p-Terphenyl	88%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW02		
Lab Sample ID:	F61005-2	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058926.D	1	10/31/08	LD	n/a	n/a	VC2391
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	0.72	1.0	0.40	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	1.8	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW02		
Lab Sample ID:	F61005-2	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	2.0	3.0	1.2	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		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:	USTHPFFC-MW02		
Lab Sample ID:	F61005-2	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058623.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		43-121%
92-94-4	p-Terphenyl	83%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61005-3	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058927.D	1	10/31/08	LD	n/a	n/a	VC2391
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.38	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61005-3	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	102%		76-127%
2037-26-5	Toluene-D8	99%		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-MW07		
Lab Sample ID:	F61005-3	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058624.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		43-121%
92-94-4	p-Terphenyl	87%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61005-4	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058943.D	1	10/31/08	LD	n/a	n/a	VC2391
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	56.8	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	3.5	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61005-4	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	144% [a]		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

(a) Outside control limits due to matrix interference. Insufficient sample for reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW12		
Lab Sample ID:	F61005-4	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058627.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		43-121%
92-94-4	p-Terphenyl	88%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW14		
Lab Sample ID:	F61005-5	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058949.D	2	11/03/08	LD	n/a	n/a	VC2392
Run #2	C058929.D	20	10/31/08	LD	n/a	n/a	VC2391

	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	38.0	2.0	0.80	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.40	ug/l	
75-25-2	Bromoform	ND	2.0	0.66	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.44	ug/l	
75-00-3	Chloroethane	ND	4.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.56	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.80	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.44	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.48	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	1.1	ug/l	
107-06-2	1,2-Dichloroethane	1.1	2.0	0.68	ug/l	J
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.90	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	15.3	2.0	0.86	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.6	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.2	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	0.72	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.66	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.52	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.44	ug/l	
108-88-3	Toluene	38.5	2.0	0.70	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.64	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-MW14		
Lab Sample ID:	F61005-5	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	2.0	0.60	ug/l	
1330-20-7	Xylene (total)	302 [a]	60	23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	102%	76-127%
2037-26-5	Toluene-D8	96%	101%	86-112%
460-00-4	4-Bromofluorobenzene	93%	98%	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-MW14		
Lab Sample ID:	F61005-5	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058628.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	5.6	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	4.2	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	9.2	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		43-121%
92-94-4	p-Terphenyl	80%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW21		
Lab Sample ID:	F61005-6	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058930.D	1	10/31/08	LD	n/a	n/a	VC2391
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	18.1	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW21		
Lab Sample ID:	F61005-6	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	101%		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-MW21		
Lab Sample ID:	F61005-6	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058629.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		43-121%
92-94-4	p-Terphenyl	82%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61005-7	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058931.D	1	10/31/08	LD	n/a	n/a	VC2391
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	4.8	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.57	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.43	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61005-7	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	103%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW59		
Lab Sample ID:	F61005-7	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058630.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		43-121%
92-94-4	p-Terphenyl	85%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61005-8	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058932.D	10	10/31/08	LD	n/a	n/a	VC2391
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	956	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	26.1	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	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	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	6.1	10	3.5	ug/l	J
79-01-6	Trichloroethylene	ND	10	3.2	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:	F61005-8	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	10	3.0	ug/l	
1330-20-7	Xylene (total)	ND	30	12	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	103%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW60		
Lab Sample ID:	F61005-8	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058667.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	2.1	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		43-121%
92-94-4	p-Terphenyl	79%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW61		
Lab Sample ID:	F61005-9	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058933.D	1	10/31/08	LD	n/a	n/a	VC2391
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW61		
Lab Sample ID:	F61005-9	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	106%		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:	USTHPFFC-MW61		
Lab Sample ID:	F61005-9	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058668.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		43-121%
92-94-4	p-Terphenyl	63%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61005-10	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056510.D	1	10/31/08	LD	n/a	n/a	VB2368
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	9.7	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	44.3	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	1.3	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.50	1.0	0.43	ug/l	J
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.45	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61005-10	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	102%		76-127%
2037-26-5	Toluene-D8	96%		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:	F61005-10	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058669.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		43-121%
92-94-4	p-Terphenyl	78%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61005-11	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058950.D	2	11/03/08	LD	n/a	n/a	VC2392
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	ND	2.0	0.80	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.40	ug/l	
75-25-2	Bromoform	ND	2.0	0.66	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.44	ug/l	
75-00-3	Chloroethane	ND	4.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.56	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.80	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.44	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.48	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	1.1	ug/l	
107-06-2	1,2-Dichloroethane	137	2.0	0.68	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.90	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.86	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.6	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.2	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	0.72	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.66	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.52	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.44	ug/l	
108-88-3	Toluene	0.71	2.0	0.70	ug/l	J
79-01-6	Trichloroethylene	ND	2.0	0.64	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:	F61005-11	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	2.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	6.0	2.3	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	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-MW23		
Lab Sample ID:	F61005-11	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058670.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		43-121%
92-94-4	p-Terphenyl	87%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61005-12	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056512.D	1	10/31/08	LD	n/a	n/a	VB2368
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61005-12	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	107%		76-127%
2037-26-5	Toluene-D8	100%		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:	UST1115GT-MW07		
Lab Sample ID:	F61005-12	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058671.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	60%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW08		
Lab Sample ID:	F61005-13	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056513.D	1	10/31/08	LD	n/a	n/a	VB2368
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW08		
Lab Sample ID:	F61005-13	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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 Laboratories

Report of Analysis

Client Sample ID:	UST1115GT-MW08		
Lab Sample ID:	F61005-13	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058672.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		43-121%
92-94-4	p-Terphenyl	65%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61005-14	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056514.D	1	10/31/08	LD	n/a	n/a	VB2368
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	16.7	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.40	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61005-14	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	110%		76-127%
2037-26-5	Toluene-D8	99%		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 Laboratories

Report of Analysis

Client Sample ID:	UST1115GT-MW09		
Lab Sample ID:	F61005-14	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058677.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		43-121%
92-94-4	p-Terphenyl	95%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	IR-78-GW22-2		
Lab Sample ID:	F61005-15	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056515.D	1	10/31/08	LD	n/a	n/a	VB2368
Run #2	C058951.D	2	11/03/08	LD	n/a	n/a	VC2392

	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	101 [a]	2.0	0.80	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	2.7	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.70	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	1.9	1.0	0.32	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:	IR-78-GW22-2		
Lab Sample ID:	F61005-15	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	109%	96%	76-127%
2037-26-5	Toluene-D8	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	104%	99%	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:	IR-78-GW22-2		
Lab Sample ID:	F61005-15	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058673.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		43-121%
92-94-4	p-Terphenyl	89%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61005-16	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058952.D	10	11/03/08	LD	n/a	n/a	VC2392
Run #2	B056516.D	50	10/31/08	LD	n/a	n/a	VB2368

	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	928	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	638	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
78-93-3	Methyl ethyl ketone	123	50	20	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	702	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	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:	F61005-16	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	10	3.0	ug/l	
1330-20-7	Xylene (total)	2700 [a]	150	58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	110%	76-127%
2037-26-5	Toluene-D8	95%	97%	86-112%
460-00-4	4-Bromofluorobenzene	96%	100%	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:	USTHPFF-MW10R		
Lab Sample ID:	F61005-16	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058674.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2 [a]	EE058690.D	2	11/03/08	FEA	10/27/08	OP26938	GEE2142

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.90	1.9	0.48	ug/l	J
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	95.3 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	28.7	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	51.7	1.9	0.48	ug/l	
85-01-8	Phenanthrene	2.3	1.9	0.95	ug/l	
129-00-0	Pyrene	1.1	1.9	0.48	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%	88%	43-121%
92-94-4	p-Terphenyl	62%	62%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFF-MW12		
Lab Sample ID:	F61005-17	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056517.D	5	10/31/08	LD	n/a	n/a	VB2368
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	386	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	125	5.0	2.2	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	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	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	364	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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:	F61005-17	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
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	5.0	1.5	ug/l	
1330-20-7	Xylene (total)	372	15	5.8	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	107%		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:	F61005-17	**Date Sampled:**	10/21/08
Matrix:	AQ - Ground Water	**Date Received:**	10/22/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058680.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	7.0	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	3.9	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	8.4	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		43-121%
92-94-4	p-Terphenyl	86%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-102108
Lab Sample ID: F61005-18
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/21/08
Date Received: 10/22/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056518.D	1	10/31/08	LD	n/a	n/a	VB2368
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-102108		
Lab Sample ID:	F61005-18	**Date Sampled:**	10/21/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/22/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	108%		76-127%
2037-26-5	Toluene-D8	99%		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

COC Number:
125709-HPFF-102108-1

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F61005

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin		US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610	Analysis Desired
1	USTHPFFC-MW01	10/21/08	11:15		X	USTHPFFC-MW01	5	X	X	
2	USTHPFFC-MW02	10/21/08	9:40		X	USTHPFFC-MW02	5	X	X	
3	USTHPFFC-MW07	10/21/08	10:10		X	USTHPFFC-MW07	5	X	X	
4	USTHPFFC-MW12	10/21/08	9:15		X	USTHPFFC-MW12	5	X	X	
5	USTHPFFC-MW14	10/21/08	8:40		X	USTHPFFC-MW14	5	X	X	
6	USTHPFFC-MW21	10/21/08	11:30		X	USTHPFFC-MW21	5	X	X	
7	USTHPFFC-MW59	10/21/08	10:35		X	USTHPFFC-MW59	5	X	X	
8	USTHPFFC-MW60	10/21/08	10:10		X	USTHPFFC-MW60	5	X	X	
9	USTHPFFC-MW61	10/21/08	10:20		X	USTHPFFC-MW61	5	X	X	
10	UST1115-MW18	10/21/08	12:15		X	UST1115-MW18	5	X	X	

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 10		FedEx	10/21/08	17:00
2		FX	J. Payne	10-22-08	09:00
3					

Remarks

14 Day TAT

FedEx 8668 3649 7263, 8668 3649 7274, 8668 3649 7285, 8668 3649 7296

2.0 2.8 1.2 1.8

F61005: Chain of Custody
Page 1 of 3

COC Number:
125709-HPFF-102108-2

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD F61005

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	
Client Rep	**Project Manager**	
US NAVY - LANTDIV	Joe Colella	

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610											
1	UST1115-MW23	10/21/08	12:55		X	UST1115-MW23	5	X	X											
2	UST1115GT-MW07	10/21/08	14:10		X	UST1115GT-MW07	5	X	X											
3	UST1115GT-MW08	10/21/08	14:15		X	UST1115GT-MW08	5	X	X											
4	UST1115GT-MW09	10/21/08	13:45		X	UST1115GT-MW09	5	X	X											
5	IR78-GW22-2	10/21/08	13:45		X	IR78-GW22-2	5	X	X											
6	USTHPFF-MW10R	10/21/08	8:30		X	USTHPFF-MW10R	5	X	X											
7	USTHPFF-MW12	10/21/08	11:00		X	USTHPFF-MW12	5	X	X											
8	TripBlank-102108	10/21/08			X	TripBlank-102108	2	X												
9																				
10																				

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 8		FedEx	10/21/08	17:00	**14 Day TAT**
2		FX	J. Colella	10-22-08	09:00	**FedEx 8668 3649 7263, 8668 3649 7274, 8668 3649 7285, 8668 3649 7296**
3						

9.0 9.8 1.2 1.8

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61005 CLIENT: SHAW PROJECT: CAMP LEJEUNE - MPFF

DATE/TIME RECEIVED: 10-22-08 0930 # OF COOLERS RECEIVED: 4 COOLER TEMPS: 2.0 2.8 1.2 1.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3649 7263

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)
- [ ] 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: [illegible] 10-22-08 TECHNICIAN SIGNATURE/DATE: [illegible] 102268 ASBD 12/17/07

F61005: 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: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2368-MB	B056505.D	1	10/31/08	LD	n/a	n/a	VB2368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-10, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17, F61005-18

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2368-MB	B056505.D	1	10/31/08	LD	n/a	n/a	VB2368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-10, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17, F61005-18

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2391-MB	C058922.D	1	10/31/08	LD	n/a	n/a	VC2391

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7, F61005-8, F61005-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2391-MB	C058922.D	1	10/31/08	LD	n/a	n/a	VC2391

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7, F61005-8, F61005-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	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	97%	84-120%

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2392-MB	C058948.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-5, F61005-11, F61005-15, F61005-16

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2392-MB	C058948.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-5, F61005-11, F61005-15, F61005-16

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	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	104%	84-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2368-BS	B056504.D	1	10/31/08	LD	n/a	n/a	VB2368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-10, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17, F61005-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	91.1	73	59-134
71-43-2	Benzene	25	27.4	110	83-124
75-27-4	Bromodichloromethane	25	25.0	100	76-116
75-25-2	Bromoform	25	22.3	89	68-128
108-90-7	Chlorobenzene	25	26.0	104	87-115
75-00-3	Chloroethane	25	29.8	119	54-166
67-66-3	Chloroform	25	27.9	112	85-123
75-15-0	Carbon disulfide	25	28.1	112	67-147
56-23-5	Carbon tetrachloride	25	30.3	121	74-139
75-34-3	1,1-Dichloroethane	25	29.3	117	82-127
75-35-4	1,1-Dichloroethylene	25	26.2	105	75-133
107-06-2	1,2-Dichloroethane	25	26.2	105	76-122
78-87-5	1,2-Dichloropropane	25	26.1	104	81-120
124-48-1	Dibromochloromethane	25	24.2	97	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.2	105	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.1	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.3	117	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	87-123
100-41-4	Ethylbenzene	25	27.0	108	87-118
591-78-6	2-Hexanone	125	108	86	58-125
108-10-1	4-Methyl-2-pentanone	125	111	89	62-125
74-83-9	Methyl bromide	25	27.3	109	55-151
74-87-3	Methyl chloride	25	23.8	95	55-173
75-09-2	Methylene chloride	25	28.8	115	69-125
78-93-3	Methyl ethyl ketone	125	101	81	61-127
100-42-5	Styrene	25	23.6	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	23.1	92	71-120
79-00-5	1,1,2-Trichloroethane	25	23.6	94	80-114
127-18-4	Tetrachloroethylene	25	24.6	98	80-131
108-88-3	Toluene	25	26.5	106	86-116
79-01-6	Trichloroethylene	25	25.7	103	85-124
75-01-4	Vinyl chloride	25	22.8	91	57-153
1330-20-7	Xylene (total)	75	80.7	108	86-120

Blank Spike Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2368-BS	B056504.D	1	10/31/08	LD	n/a	n/a	VB2368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-10, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17, F61005-18

CAS No.	Surrogate Recoveries	BSP	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	99%	84-120%

Blank Spike Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2391-BS	C058921.D	1	10/31/08	LD	n/a	n/a	VC2391

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7, F61005-8, F61005-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	81.5	65	59-134
71-43-2	Benzene	25	26.7	107	83-124
75-27-4	Bromodichloromethane	25	24.7	99	76-116
75-25-2	Bromoform	25	25.6	102	68-128
108-90-7	Chlorobenzene	25	25.5	102	87-115
75-00-3	Chloroethane	25	27.1	108	54-166
67-66-3	Chloroform	25	27.0	108	85-123
75-15-0	Carbon disulfide	25	30.7	123	67-147
56-23-5	Carbon tetrachloride	25	30.3	121	74-139
75-34-3	1,1-Dichloroethane	25	27.7	111	82-127
75-35-4	1,1-Dichloroethylene	25	29.5	118	75-133
107-06-2	1,2-Dichloroethane	25	24.8	99	76-122
78-87-5	1,2-Dichloropropane	25	24.7	99	81-120
124-48-1	Dibromochloromethane	25	25.1	100	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.1	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.1	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.7	111	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.0	108	87-123
100-41-4	Ethylbenzene	25	26.5	106	87-118
591-78-6	2-Hexanone	125	109	87	58-125
108-10-1	4-Methyl-2-pentanone	125	117	94	62-125
74-83-9	Methyl bromide	25	26.0	104	55-151
74-87-3	Methyl chloride	25	24.7	99	55-173
75-09-2	Methylene chloride	25	26.6	106	69-125
78-93-3	Methyl ethyl ketone	125	101	81	61-127
100-42-5	Styrene	25	24.7	99	78-118
71-55-6	1,1,1-Trichloroethane	25	29.5	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.4	90	71-120
79-00-5	1,1,2-Trichloroethane	25	23.3	93	80-114
127-18-4	Tetrachloroethylene	25	27.6	110	80-131
108-88-3	Toluene	25	26.8	107	86-116
79-01-6	Trichloroethylene	25	25.8	103	85-124
75-01-4	Vinyl chloride	25	24.4	98	57-153
1330-20-7	Xylene (total)	75	79.7	106	86-120

Blank Spike Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2391-BS	C058921.D	1	10/31/08	LD	n/a	n/a	VC2391

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7, F61005-8, F61005-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	93%	84-120%

Blank Spike Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2392-BS	C058947.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-5, F61005-11, F61005-15, F61005-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	87.4	70	59-134
71-43-2	Benzene	25	27.0	108	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	24.6	98	87-115
75-00-3	Chloroethane	25	25.4	102	54-166
67-66-3	Chloroform	25	27.8	111	85-123
75-15-0	Carbon disulfide	25	31.1	124	67-147
56-23-5	Carbon tetrachloride	25	31.0	124	74-139
75-34-3	1,1-Dichloroethane	25	29.0	116	82-127
75-35-4	1,1-Dichloroethylene	25	30.7	123	75-133
107-06-2	1,2-Dichloroethane	25	25.2	101	76-122
78-87-5	1,2-Dichloropropane	25	24.8	99	81-120
124-48-1	Dibromochloromethane	25	24.5	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.3	105	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.0	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.4	114	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.9	104	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
591-78-6	2-Hexanone	125	106	85	58-125
108-10-1	4-Methyl-2-pentanone	125	116	93	62-125
74-83-9	Methyl bromide	25	22.3	89	55-151
74-87-3	Methyl chloride	25	18.2	73	55-173
75-09-2	Methylene chloride	25	27.4	110	69-125
78-93-3	Methyl ethyl ketone	125	104	83	61-127
100-42-5	Styrene	25	24.0	96	78-118
71-55-6	1,1,1-Trichloroethane	25	30.4	122	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.0	92	71-120
79-00-5	1,1,2-Trichloroethane	25	22.2	89	80-114
127-18-4	Tetrachloroethylene	25	25.9	104	80-131
108-88-3	Toluene	25	24.6	98	86-116
79-01-6	Trichloroethylene	25	26.0	104	85-124
75-01-4	Vinyl chloride	25	20.0	80	57-153
1330-20-7	Xylene (total)	75	77.1	103	86-120

Blank Spike Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2392-BS	C058947.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-5, F61005-11, F61005-15, F61005-16

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	95%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61005-1MS	C058934.D	1	10/31/08	LD	n/a	n/a	VC2391
F61005-1MSD	C058935.D	1	10/31/08	LD	n/a	n/a	VC2391
F61005-1	C058925.D	1	10/31/08	LD	n/a	n/a	VC2391

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7, F61005-8, F61005-9

CAS No.	Compound	F61005-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	74.5	60	70.9	57*	5	59-134/14
71-43-2	Benzene	ND		25	26.9	108	25.5	102	5	83-124/11
75-27-4	Bromodichloromethane	ND		25	26.4	106	24.5	98	7	76-116/10
75-25-2	Bromoform	ND		25	25.8	103	25.2	101	2	68-128/11
108-90-7	Chlorobenzene	ND		25	24.6	98	23.9	96	3	87-115/9
75-00-3	Chloroethane	ND		25	23.8	95	25.3	101	6	54-166/20
67-66-3	Chloroform	ND		25	28.1	112	26.6	106	5	85-123/10
75-15-0	Carbon disulfide	ND		25	28.5	114	27.2	109	5	67-147/12
56-23-5	Carbon tetrachloride	ND		25	31.5	126	29.9	120	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.6	114	26.6	106	7	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	28.8	115	27.3	109	5	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	27.0	108	25.5	102	6	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.6	102	24.5	98	4	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.8	99	23.6	94	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.2	101	23.8	95	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.1	100	24.5	98	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	28.3	113	26.7	107	6	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.0	104	25.2	101	3	87-123/10
100-41-4	Ethylbenzene	ND		25	25.8	103	24.9	100	4	87-118/10
591-78-6	2-Hexanone	ND		125	112	90	110	88	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	125	100	123	98	2	62-125/13
74-83-9	Methyl bromide	ND		25	20.7	83	22.8	91	10	55-151/21
74-87-3	Methyl chloride	ND		25	21.5	86	23.9	96	11	55-173/22
75-09-2	Methylene chloride	ND		25	27.6	110	25.4	102	8	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	106	85	102	82	4	61-127/13
100-42-5	Styrene	ND		25	23.8	95	23.5	94	1	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	31.0	124	29.0	116	7	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.6	94	22.9	92	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	23.2	93	22.4	90	4	80-114/11
127-18-4	Tetrachloroethylene	ND		25	26.2	105	25.6	102	2	80-131/12
108-88-3	Toluene	ND		25	25.4	102	24.3	97	4	86-116/10
79-01-6	Trichloroethylene	ND		25	26.3	105	24.5	98	7	85-124/10
75-01-4	Vinyl chloride	ND		25	20.2	81	22.6	90	11	57-153/22
1330-20-7	Xylene (total)	ND		75	78.2	104	76.0	101	3	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61005-1MS	C058934.D	1	10/31/08	LD	n/a	n/a	VC2391
F61005-1MSD	C058935.D	1	10/31/08	LD	n/a	n/a	VC2391
F61005-1	C058925.D	1	10/31/08	LD	n/a	n/a	VC2391

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7, F61005-8, F61005-9

CAS No.	Surrogate Recoveries	MS	MSD	F61005-1	Limits
1868-53-7	Dibromofluoromethane	108%	108%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	105%	97%	76-127%
2037-26-5	Toluene-D8	95%	94%	100%	86-112%
460-00-4	4-Bromofluorobenzene	94%	93%	100%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61040-2MS	B056520.D	50	10/31/08	LD	n/a	n/a	VB2368
F61040-2MSD	B056521.D	50	10/31/08	LD	n/a	n/a	VB2368
F61040-2	B056519.D	50	10/31/08	LD	n/a	n/a	VB2368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-10, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17, F61005-18

CAS No.	Compound	F61040-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		6250	4170	67	3930	63	6	59-134/14
71-43-2	Benzene	1330		1250	2520	95	2460	90	2	83-124/11
75-27-4	Bromodichloromethane	ND		1250	1180	94	1150	92	3	76-116/10
75-25-2	Bromoform	ND		1250	1060	85	1040	83	2	68-128/11
108-90-7	Chlorobenzene	ND		1250	1260	101	1250	100	1	87-115/9
75-00-3	Chloroethane	ND		1250	1360	109	1320	106	3	54-166/20
67-66-3	Chloroform	ND		1250	1350	108	1300	104	4	85-123/10
75-15-0	Carbon disulfide	ND		1250	1250	100	1210	97	3	67-147/12
56-23-5	Carbon tetrachloride	ND		1250	1410	113	1350	108	4	74-139/13
75-34-3	1,1-Dichloroethane	ND		1250	1430	114	1370	110	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		1250	1410	113	1340	107	5	75-133/13
107-06-2	1,2-Dichloroethane	ND		1250	1220	98	1170	94	4	76-122/11
78-87-5	1,2-Dichloropropane	ND		1250	1250	100	1240	99	1	81-120/11
124-48-1	Dibromochloromethane	ND		1250	1120	90	1140	91	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		1250	1250	100	1220	98	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		1250	1250	100	1210	97	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		1250	1400	112	1340	107	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		1250	1250	100	1260	101	1	87-123/10
100-41-4	Ethylbenzene	29.9	J	1250	1340	105	1320	103	2	87-118/10
591-78-6	2-Hexanone	ND		6250	4390	70	4390	70	0	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		6250	4800	77	4710	75	2	62-125/13
74-83-9	Methyl bromide	ND		1250	1210	97	1170	94	3	55-151/21
74-87-3	Methyl chloride	ND		1250	1080	86	1040	83	4	55-173/22
75-09-2	Methylene chloride	ND		1250	1310	105	1270	102	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		6250	4130	66	4020	64	3	61-127/13
100-42-5	Styrene	ND		1250	1130	90	1140	91	1	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		1250	1420	114	1390	111	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		1250	1070	86	1030	82	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		1250	1090	87	1110	89	2	80-114/11
127-18-4	Tetrachloroethylene	ND		1250	1160	93	1130	90	3	80-131/12
108-88-3	Toluene	ND		1250	1300	104	1300	104	0	86-116/10
79-01-6	Trichloroethylene	ND		1250	1240	99	1210	97	2	85-124/10
75-01-4	Vinyl chloride	ND		1250	1060	85	1010	81	5	57-153/22
1330-20-7	Xylene (total)	177		3750	4160	106	4110	105	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61040-2MS	B056520.D	50	10/31/08	LD	n/a	n/a	VB2368
F61040-2MSD	B056521.D	50	10/31/08	LD	n/a	n/a	VB2368
F61040-2	B056519.D	50	10/31/08	LD	n/a	n/a	VB2368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-10, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17, F61005-18

CAS No.	Surrogate Recoveries	MS	MSD	F61040-2	Limits
1868-53-7	Dibromofluoromethane	102%	101%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	106%	108%	76-127%
2037-26-5	Toluene-D8	101%	101%	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	103%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61022-13MS	C058958.D	1	11/03/08	LD	n/a	n/a	VC2392
F61022-13MSD	C058959.D	1	11/03/08	LD	n/a	n/a	VC2392
F61022-13	C058954.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-5, F61005-11, F61005-15, F61005-16

CAS No.	Compound	F61022-13 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	71.2	57*	69.9	56*	2	59-134/14
71-43-2	Benzene	1.0 U		25	27.4	110	25.8	103	6	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	25.4	102	23.6	94	7	76-116/10
75-25-2	Bromoform	1.0 U		25	26.0	104	24.8	99	5	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	25.4	102	24.0	96	6	87-115/9
75-00-3	Chloroethane	2.0 U		25	24.6	98	23.5	94	5	54-166/20
67-66-3	Chloroform	1.0 U		25	27.8	111	25.6	102	8	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	31.2	125	28.2	113	10	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	30.9	124	28.3	113	9	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	27.9	112	26.2	105	6	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.3	117	27.4	110	7	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	25.6	102	23.8	95	7	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25.6	102	24.0	96	6	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	25.1	100	24.0	96	4	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.8	103	24.4	98	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	25.0	100	23.9	96	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	27.5	110	25.5	102	8	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	25.8	103	24.9	100	4	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	25.6	102	24.3	97	5	87-118/10
591-78-6	2-Hexanone	10 U		125	105	84	101	81	4	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	116	93	113	90	3	62-125/13
74-83-9	Methyl bromide	2.0 U		25	21.0	84	20.8	83	1	55-151/21
74-87-3	Methyl chloride	2.0 U		25	17.4	70	16.9	68	3	55-173/22
75-09-2	Methylene chloride	5.0 U		25	25.0	100	23.8	95	5	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	96.3	77	90.4	72	6	61-127/13
100-42-5	Styrene	1.0 U		25	24.3	97	22.9	92	6	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	30.1	120	27.9	112	8	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.6	90	21.7	87	4	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.6	94	22.3	89	6	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	27.4	110	25.8	103	6	80-131/12
108-88-3	Toluene	1.0 U		25	26.0	104	24.8	99	5	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	25.9	104	24.3	97	6	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	19.1	76	18.4	74	4	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	78.5	105	74.8	100	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61022-13MS	C058958.D	1	11/03/08	LD	n/a	n/a	VC2392
F61022-13MSD	C058959.D	1	11/03/08	LD	n/a	n/a	VC2392
F61022-13	C058954.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61005-5, F61005-11, F61005-15, F61005-16

CAS No.	Surrogate Recoveries	MS	MSD	F61022-13	Limits
1868-53-7	Dibromofluoromethane	108%	107%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	96%	76-127%
2037-26-5	Toluene-D8	95%	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	94%	91%	100%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-MB	EE058604.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139

The QC reported here applies to the following samples: **Method:** EPA 610

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	85%	43-121%
92-94-4	p-Terphenyl	87%	30-122%

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-MB	AA046053.D	1	10/30/08	MRE	10/23/08	OP26919	GAA1853

The QC reported here applies to the following samples: **Method:** EPA 610

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-MB	EE058657.D	1	10/31/08	MRE	10/23/08	OP26919	GEE2141

The QC reported here applies to the following samples: **Method:** EPA 610

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	85%	43-121%
92-94-4	p-Terphenyl	88%	30-122%

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26938-MB	EE058666.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141

The QC reported here applies to the following samples: **Method:** EPA 610

F61005-8, F61005-9, F61005-10, F61005-11, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	93%	43-121%
92-94-4	p-Terphenyl	93%	30-122%

Method Blank Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26938-MB	EE058689.D	1	11/03/08	FEA	10/27/08	OP26938	GEE2142

The QC reported here applies to the following samples: **Method:** EPA 610

F61005-8, F61005-9, F61005-10, F61005-11, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	94%	43-121%
92-94-4	p-Terphenyl	94%	30-122%

Blank Spike Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-BS	EE058603.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139

The QC reported here applies to the following samples: **Method:** EPA 610

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	17.0	85	60-102
208-96-8	Acenaphthylene	20	17.9	90	66-108
120-12-7	Anthracene	10	9.8	98	64-107
56-55-3	Benzo(a)anthracene	10	9.6	96	70-108
50-32-8	Benzo(a)pyrene	10	8.4	84	72-115
205-99-2	Benzo(b)fluoranthene	10	9.8	98	73-111
191-24-2	Benzo(g,h,i)perylene	10	8.8	88	69-113
207-08-9	Benzo(k)fluoranthene	10	9.8	98	70-111
218-01-9	Chrysene	10	9.9	99	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.8	98	71-114
206-44-0	Fluoranthene	20	18.9	95	68-110
86-73-7	Fluorene	20	17.8	89	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.2	92	69-110
91-20-3	Naphthalene	20	14.8	74	55-94
90-12-0	1-Methylnaphthalene	20	15.4	77	55-97
91-57-6	2-Methylnaphthalene	20	15.1	76	51-97
85-01-8	Phenanthrene	20	19.1	96	67-108
129-00-0	Pyrene	20	19.4	97	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Blank Spike Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26938-BS	EE058665.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141

The QC reported here applies to the following samples: **Method:** EPA 610

F61005-8, F61005-9, F61005-10, F61005-11, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	16.3	82	60-102
208-96-8	Acenaphthylene	20	17.1	86	66-108
120-12-7	Anthracene	10	9.4	94	64-107
56-55-3	Benzo(a)anthracene	10	8.9	89	70-108
50-32-8	Benzo(a)pyrene	10	8.3	83	72-115
205-99-2	Benzo(b)fluoranthene	10	9.0	90	73-111
191-24-2	Benzo(g,h,i)perylene	10	8.8	88	69-113
207-08-9	Benzo(k)fluoranthene	10	9.1	91	70-111
218-01-9	Chrysene	10	9.8	98	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.0	90	71-114
206-44-0	Fluoranthene	20	17.7	89	68-110
86-73-7	Fluorene	20	17.1	86	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	8.8	88	69-110
91-20-3	Naphthalene	20	14.4	72	55-94
90-12-0	1-Methylnaphthalene	20	15.0	75	55-97
91-57-6	2-Methylnaphthalene	20	14.8	74	51-97
85-01-8	Phenanthrene	20	18.2	91	67-108
129-00-0	Pyrene	20	18.3	92	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	43-121%
92-94-4	p-Terphenyl	85%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26919-MS	EE058616.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
OP26919-MSD	EE058617.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139
F60969-9 [a]	EE058615.D	1	10/29/08	MRE	10/23/08	OP26919	GEE2139

The QC reported here applies to the following samples: **Method:** EPA 610

F61005-1, F61005-2, F61005-3, F61005-4, F61005-5, F61005-6, F61005-7

CAS No.	Compound	F60969-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	34.3	89	31.3	81	9	60-102/33
208-96-8	Acenaphthylene	ND		38.5	36.7	95	33.3	87	10	66-108/32
120-12-7	Anthracene	ND		19.2	20.2	105	17.8	93	13	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.9	103	17.4	90	13	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	17.8	93	15.2	79	16	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	20.0	104	17.6	92	13	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	18.1	94	15.8	82	14	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	20.4	106	17.8	93	14	70-111/21
218-01-9	Chrysene	ND		19.2	20.4	106	17.9	93	13	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	20.5	107	17.9	93	14	71-114/23
206-44-0	Fluoranthene	ND		38.5	38.9	101	34.4	89	12	68-110/17
86-73-7	Fluorene	ND		38.5	36.1	94	32.6	85	10	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	19.1	99	16.7	87	13	69-110/22
91-20-3	Naphthalene	1.1	J	38.5	30.1	75	27.6	69	9	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	31.6	82	28.9	75	9	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	31.3	81	28.6	74	9	51-97/25
85-01-8	Phenanthrene	ND		38.5	39.0	101	34.9	91	11	67-108/22
129-00-0	Pyrene	ND		38.5	39.8	103	35.3	92	12	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F60969-9	Limits
84-15-1	o-Terphenyl	95%	84%	92%	43-121%
92-94-4	p-Terphenyl	97%	86%	95%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61005
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26938-MS	EE058678.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
OP26938-MSD	EE058679.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
F61005-14	EE058677.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141

The QC reported here applies to the following samples: **Method:** EPA 610

F61005-8, F61005-9, F61005-10, F61005-11, F61005-12, F61005-13, F61005-14, F61005-15, F61005-16, F61005-17

CAS No.	Compound	F61005-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	34.6	90	33.7	88	3	60-102/33
208-96-8	Acenaphthylene	ND		38.5	35.9	93	35.2	92	2	66-108/32
120-12-7	Anthracene	ND		19.2	20.1	105	19.5	101	3	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.4	101	19.6	102	1	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	18.5	96	18.7	97	1	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	19.6	102	19.8	103	1	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	19.3	100	19.6	102	2	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.7	102	20.0	104	2	70-111/21
218-01-9	Chrysene	ND		19.2	21.4	111	21.6	112*	1	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	20.0	104	20.2	105	1	71-114/23
206-44-0	Fluoranthene	ND		38.5	38.2	99	37.6	98	2	68-110/17
86-73-7	Fluorene	ND		38.5	36.2	94	35.1	91	3	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	19.3	100	19.5	101	1	69-110/22
91-20-3	Naphthalene	ND		38.5	30.2	79	29.9	78	1	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	31.8	83	31.3	81	2	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	31.4	82	30.9	80	2	51-97/25
85-01-8	Phenanthrene	ND		38.5	38.7	101	37.6	98	3	67-108/22
129-00-0	Pyrene	ND		38.5	39.3	102	38.7	101	2	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61005-14	Limits
84-15-1	o-Terphenyl	93%	91%	91%	43-121%
92-94-4	p-Terphenyl	94%	94%	95%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/17/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61049

Sampling Date: 10/22/08

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **44**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F61049

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61049-1	10/22/08	13:40	JC	10/23/08	AQ	Ground Water	USTHPFFC-MW52
F61049-2	10/22/08	09:05	JC	10/23/08	AQ	Ground Water	USTHPFFC-MW53
F61049-3	10/22/08	14:05	JC	10/23/08	AQ	Ground Water	USTHPFFC-MW54
F61049-4	10/22/08	13:10	JC	10/23/08	AQ	Ground Water	USTHPFFC-MW55
F61049-5	10/22/08	14:20	JC	10/23/08	AQ	Ground Water	UST1115-MW09
F61049-6	10/22/08	09:30	JC	10/23/08	AQ	Ground Water	USTHPFF-MW06
F61049-7	10/22/08	00:00	JC	10/23/08	AQ	Trip Blank Water	TRIP BLANK-102108

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW52		
Lab Sample ID:	F61049-1	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058960.D	1	11/03/08	LD	n/a	n/a	VC2392
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW52		
Lab Sample ID:	F61049-1	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	98%		76-127%
2037-26-5	Toluene-D8	100%		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-MW52		
Lab Sample ID:	F61049-1	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058681.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		43-121%
92-94-4	p-Terphenyl	72%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61049-2	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058961.D	1	11/03/08	LD	n/a	n/a	VC2392
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.83	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61049-2	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	99%		76-127%
2037-26-5	Toluene-D8	99%		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-MW54		
Lab Sample ID:	F61049-3	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058962.D	1	11/03/08	LD	n/a	n/a	VC2392
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61049-3	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	102%		76-127%
2037-26-5	Toluene-D8	99%		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-MW54		
Lab Sample ID:	F61049-3	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058682.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		43-121%
92-94-4	p-Terphenyl	79%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61049-4	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058963.D	1	11/03/08	LD	n/a	n/a	VC2392
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61049-4	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	99%		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-MW55		
Lab Sample ID:	F61049-4	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058683.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		43-121%
92-94-4	p-Terphenyl	74%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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: F61049-5
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/22/08
Date Received: 10/23/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058965.D	1	11/03/08	LD	n/a	n/a	VC2392
Run #2	C058979.D	2	11/04/08	LD	n/a	n/a	VC2393

	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	125 [a]	2.0	0.80	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.50	1.0	0.43	ug/l	J
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.41	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61049-5	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	104%	76-127%
2037-26-5	Toluene-D8	99%	97%	86-112%
460-00-4	4-Bromofluorobenzene	102%	102%	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-MW09		
Lab Sample ID:	F61049-5	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058684.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	76%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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: F61049-6
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/22/08
Date Received: 10/23/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058980.D	2	11/04/08	LD	n/a	n/a	VC2393
Run #2	C058966.D	10	11/03/08	LD	n/a	n/a	VC2392

	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	105	2.0	0.80	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.40	ug/l	
75-25-2	Bromoform	ND	2.0	0.66	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.44	ug/l	
75-00-3	Chloroethane	ND	4.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.56	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.80	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.44	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.48	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	1.1	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.68	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.90	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	11.5	2.0	0.86	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.6	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	16.9	10	4.0	ug/l	
100-42-5	Styrene	ND	2.0	0.72	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.66	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.52	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.44	ug/l	
108-88-3	Toluene	11.4	2.0	0.70	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.64	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:	F61049-6	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
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	0.60	ug/l	
1330-20-7	Xylene (total)	36.3	6.0	2.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	106%	76-127%
2037-26-5	Toluene-D8	93%	99%	86-112%
460-00-4	4-Bromofluorobenzene	96%	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:	USTHPFF-MW06		
Lab Sample ID:	F61049-6	**Date Sampled:**	10/22/08
Matrix:	AQ - Ground Water	**Date Received:**	10/23/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058685.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	1.1	1.9	0.95	ug/l	J
90-12-0	1-Methylnaphthalene	12.5	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	37.8	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		43-121%
92-94-4	p-Terphenyl	74%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-102108
Lab Sample ID: F61049-7
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/22/08
Date Received: 10/23/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C058964.D	1	11/03/08	LD	n/a	n/a	VC2392
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-102108		
Lab Sample ID:	F61049-7	**Date Sampled:**	10/22/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/23/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	102%		76-127%
2037-26-5	Toluene-D8	102%		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

CHAIN-OF-CUSTODY RECORD F61049

COC Number: 125709-HPFF-102208

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	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin		US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610	Analysis Desired
1	USTHPFFC-MW52	10/22/08	13:40		X	USTHPFFC-MW52	5	X	X	
2	USTHPFFC-MW53	10/22/08	9:05		X	USTHPFFC-MW53	5	X	X	
3	USTHPFFC-MW54	10/22/08	14:05		X	USTHPFFC-MW54	5	X	X	
4	USTHPFFC-MW55	10/22/08	13:10		X	USTHPFFC-MW55	5	X	X	
5	UST1115-MW09	10/22/08	14:20		X	UST1115-MW09	5	X	X	
6	USTHPFF-MW06	10/22/08	9:30		X	USTHPFF-MW06	5	X	X	
7	TripBlank-102108	10/21/08	—		X	TripBlank-102108	2	X		
8										
9										
10										

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 7		FedEx	10/22/08	17:00
2				10-23-08	09:20
3					

Remarks

14 Day TAT

FedEx 8668 3649 7002, 8668 3649 7013

2.0

F61049: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61049 CLIENT: Shaw PROJECT: Camp Lejeune -HPFF

DATE/TIME RECEIVED: 10-23-08 0830 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8606 2045 7013

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
- [X] 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
- [X] 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 ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: Samp # 4 (MW55) only received 1 Amber (610), Samp # 2 (MW53) both ambers (610) received broken

TECHNICIAN SIGNATURE/DATE E.T. 10-23-08 TECHNICIAN SIGNATURE/DATE [illegible] 10-23-08

ASBD 12/17/07

F61049: 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: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2392-MB	C058948.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-1, F61049-2, F61049-3, F61049-4, F61049-5, F61049-6, F61049-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2392-MB	C058948.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-1, F61049-2, F61049-3, F61049-4, F61049-5, F61049-6, F61049-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	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	104%	84-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2393-MB	C058976.D	1	11/04/08	LD	n/a	n/a	VC2393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-5, F61049-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2393-MB	C058976.D	1	11/04/08	LD	n/a	n/a	VC2393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-5, F61049-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	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	100%	84-120%

Blank Spike Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2392-BS	C058947.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-1, F61049-2, F61049-3, F61049-4, F61049-5, F61049-6, F61049-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	87.4	70	59-134
71-43-2	Benzene	25	27.0	108	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	24.6	98	87-115
75-00-3	Chloroethane	25	25.4	102	54-166
67-66-3	Chloroform	25	27.8	111	85-123
75-15-0	Carbon disulfide	25	31.1	124	67-147
56-23-5	Carbon tetrachloride	25	31.0	124	74-139
75-34-3	1,1-Dichloroethane	25	29.0	116	82-127
75-35-4	1,1-Dichloroethylene	25	30.7	123	75-133
107-06-2	1,2-Dichloroethane	25	25.2	101	76-122
78-87-5	1,2-Dichloropropane	25	24.8	99	81-120
124-48-1	Dibromochloromethane	25	24.5	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.3	105	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.0	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.4	114	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.9	104	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
591-78-6	2-Hexanone	125	106	85	58-125
108-10-1	4-Methyl-2-pentanone	125	116	93	62-125
74-83-9	Methyl bromide	25	22.3	89	55-151
74-87-3	Methyl chloride	25	18.2	73	55-173
75-09-2	Methylene chloride	25	27.4	110	69-125
78-93-3	Methyl ethyl ketone	125	104	83	61-127
100-42-5	Styrene	25	24.0	96	78-118
71-55-6	1,1,1-Trichloroethane	25	30.4	122	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.0	92	71-120
79-00-5	1,1,2-Trichloroethane	25	22.2	89	80-114
127-18-4	Tetrachloroethylene	25	25.9	104	80-131
108-88-3	Toluene	25	24.6	98	86-116
79-01-6	Trichloroethylene	25	26.0	104	85-124
75-01-4	Vinyl chloride	25	20.0	80	57-153
1330-20-7	Xylene (total)	75	77.1	103	86-120

Blank Spike Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2392-BS	C058947.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-1, F61049-2, F61049-3, F61049-4, F61049-5, F61049-6, F61049-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	95%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Blank Spike Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2393-BS	C058975.D	1	11/04/08	LD	n/a	n/a	VC2393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-5, F61049-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	83.2	67	59-134
71-43-2	Benzene	25	27.7	111	83-124
75-27-4	Bromodichloromethane	25	25.8	103	76-116
75-25-2	Bromoform	25	25.6	102	68-128
108-90-7	Chlorobenzene	25	24.8	99	87-115
75-00-3	Chloroethane	25	23.6	94	54-166
67-66-3	Chloroform	25	28.2	113	85-123
75-15-0	Carbon disulfide	25	30.8	123	67-147
56-23-5	Carbon tetrachloride	25	31.6	126	74-139
75-34-3	1,1-Dichloroethane	25	28.5	114	82-127
75-35-4	1,1-Dichloroethylene	25	29.9	120	75-133
107-06-2	1,2-Dichloroethane	25	26.1	104	76-122
78-87-5	1,2-Dichloropropane	25	25.9	104	81-120
124-48-1	Dibromochloromethane	25	25.1	100	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.0	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.5	110	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.1	112	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.2	105	87-123
100-41-4	Ethylbenzene	25	25.8	103	87-118
591-78-6	2-Hexanone	125	105	84	58-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
74-83-9	Methyl bromide	25	20.0	80	55-151
74-87-3	Methyl chloride	25	16.5	66	55-173
75-09-2	Methylene chloride	25	29.8	119	69-125
78-93-3	Methyl ethyl ketone	125	103	82	61-127
100-42-5	Styrene	25	24.2	97	78-118
71-55-6	1,1,1-Trichloroethane	25	30.4	122	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.1	88	71-120
79-00-5	1,1,2-Trichloroethane	25	23.0	92	80-114
127-18-4	Tetrachloroethylene	25	26.9	108	80-131
108-88-3	Toluene	25	26.1	104	86-116
79-01-6	Trichloroethylene	25	26.8	107	85-124
75-01-4	Vinyl chloride	25	18.6	74	57-153
1330-20-7	Xylene (total)	75	77.6	103	86-120

Blank Spike Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2393-BS	C058975.D	1	11/04/08	LD	n/a	n/a	VC2393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-5, F61049-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	95%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61022-13MS	C058958.D	1	11/03/08	LD	n/a	n/a	VC2392
F61022-13MSD	C058959.D	1	11/03/08	LD	n/a	n/a	VC2392
F61022-13	C058954.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-1, F61049-2, F61049-3, F61049-4, F61049-5, F61049-6, F61049-7

CAS No.	Compound	F61022-13 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	71.2	57*	69.9	56*	2	59-134/14
71-43-2	Benzene	1.0 U		25	27.4	110	25.8	103	6	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	25.4	102	23.6	94	7	76-116/10
75-25-2	Bromoform	1.0 U		25	26.0	104	24.8	99	5	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	25.4	102	24.0	96	6	87-115/9
75-00-3	Chloroethane	2.0 U		25	24.6	98	23.5	94	5	54-166/20
67-66-3	Chloroform	1.0 U		25	27.8	111	25.6	102	8	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	31.2	125	28.2	113	10	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	30.9	124	28.3	113	9	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	27.9	112	26.2	105	6	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.3	117	27.4	110	7	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	25.6	102	23.8	95	7	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25.6	102	24.0	96	6	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	25.1	100	24.0	96	4	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.8	103	24.4	98	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	25.0	100	23.9	96	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	27.5	110	25.5	102	8	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	25.8	103	24.9	100	4	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	25.6	102	24.3	97	5	87-118/10
591-78-6	2-Hexanone	10 U		125	105	84	101	81	4	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	116	93	113	90	3	62-125/13
74-83-9	Methyl bromide	2.0 U		25	21.0	84	20.8	83	1	55-151/21
74-87-3	Methyl chloride	2.0 U		25	17.4	70	16.9	68	3	55-173/22
75-09-2	Methylene chloride	5.0 U		25	25.0	100	23.8	95	5	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	96.3	77	90.4	72	6	61-127/13
100-42-5	Styrene	1.0 U		25	24.3	97	22.9	92	6	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	30.1	120	27.9	112	8	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.6	90	21.7	87	4	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.6	94	22.3	89	6	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	27.4	110	25.8	103	6	80-131/12
108-88-3	Toluene	1.0 U		25	26.0	104	24.8	99	5	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	25.9	104	24.3	97	6	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	19.1	76	18.4	74	4	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	78.5	105	74.8	100	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61022-13MS	C058958.D	1	11/03/08	LD	n/a	n/a	VC2392
F61022-13MSD	C058959.D	1	11/03/08	LD	n/a	n/a	VC2392
F61022-13	C058954.D	1	11/03/08	LD	n/a	n/a	VC2392

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-1, F61049-2, F61049-3, F61049-4, F61049-5, F61049-6, F61049-7

CAS No.	Surrogate Recoveries	MS	MSD	F61022-13	Limits
1868-53-7	Dibromofluoromethane	108%	107%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	96%	76-127%
2037-26-5	Toluene-D8	95%	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	94%	91%	100%	84-120%

Matrix Spike Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61076-9MS	C058987.D	1	11/04/08	LD	n/a	n/a	VC2393
F61076-9	C058984.D	1	11/04/08	LD	n/a	n/a	VC2393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-5, F61049-6

CAS No.	Compound	F61076-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
67-64-1	Acetone	ND		125	32.9	26*	59-134
71-43-2	Benzene	ND		25	28.2	113	83-124
75-27-4	Bromodichloromethane	ND		25	24.1	96	76-116
75-25-2	Bromoform	ND		25	14.3	57*	68-128
108-90-7	Chlorobenzene	ND		25	24.4	98	87-115
75-00-3	Chloroethane	ND		25	22.2	89	54-166
67-66-3	Chloroform	ND		25	30.1	120	85-123
75-15-0	Carbon disulfide	ND		25	31.3	125	67-147
56-23-5	Carbon tetrachloride	ND		25	32.2	129	74-139
75-34-3	1,1-Dichloroethane	0.70	J	25	32.6	128*	82-127
75-35-4	1,1-Dichloroethylene	ND		25	30.5	122	75-133
107-06-2	1,2-Dichloroethane	ND		25	20.3	81	76-122
78-87-5	1,2-Dichloropropane	ND		25	23.9	96	81-120
124-48-1	Dibromochloromethane	ND		25	17.9	72*	74-116
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.8	107	81-114
10061-01-5	cis-1,3-Dichloropropene	ND		25	21.7	87	83-119
156-60-5	trans-1,2-Dichloroethylene	ND		25	30.7	123	82-126
10061-02-6	trans-1,3-Dichloropropene	ND		25	18.8	75*	87-123
100-41-4	Ethylbenzene	ND		25	25.8	103	87-118
591-78-6	2-Hexanone	ND		125	44.8	36*	58-125
108-10-1	4-Methyl-2-pentanone	ND		125	52.7	42*	62-125
74-83-9	Methyl bromide	ND		25	22.5	90	55-151
74-87-3	Methyl chloride	ND		25	14.4	58	55-173
75-09-2	Methylene chloride	ND		25	28.1	112	69-125
78-93-3	Methyl ethyl ketone	ND		125	42.1	34*	61-127
100-42-5	Styrene	ND		25	23.2	93	78-118
71-55-6	1,1,1-Trichloroethane	ND		25	33.1	132	79-133
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	13.1	52*	71-120
79-00-5	1,1,2-Trichloroethane	ND		25	14.8	59*	80-114
127-18-4	Tetrachloroethylene	3.5		25	29.5	104	80-131
108-88-3	Toluene	ND		25	25.1	100	86-116
79-01-6	Trichloroethylene	ND		25	26.5	106	85-124
75-01-4	Vinyl chloride	ND		25	15.0	60	57-153
1330-20-7	Xylene (total)	ND		75	79.4	106	86-120

Matrix Spike Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61076-9MS	C058987.D	1	11/04/08	LD	n/a	n/a	VC2393
F61076-9	C058984.D	1	11/04/08	LD	n/a	n/a	VC2393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61049-5, F61049-6

CAS No.	Surrogate Recoveries	MS	F61076-9	Limits
1868-53-7	Dibromofluoromethane	109%	111%	87-116%
17060-07-0	1,2-Dichloroethane-D4	82%	105%	76-127%
2037-26-5	Toluene-D8	94%	98%	86-112%
460-00-4	4-Bromofluorobenzene	92%	102%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26938-MB	EE058666.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141

The QC reported here applies to the following samples: **Method:** EPA 610

F61049-1, F61049-3, F61049-4, F61049-5, F61049-6

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	93%	43-121%
92-94-4	p-Terphenyl	93%	30-122%

Method Blank Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26938-MB	EE058689.D	1	11/03/08	FEA	10/27/08	OP26938	GEE2142

The QC reported here applies to the following samples: **Method:** EPA 610

F61049-1, F61049-3, F61049-4, F61049-5, F61049-6

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	94%	43-121%
92-94-4	p-Terphenyl	94%	30-122%

Blank Spike Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26938-BS	EE058665.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141

The QC reported here applies to the following samples: **Method:** EPA 610

F61049-1, F61049-3, F61049-4, F61049-5, F61049-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	16.3	82	60-102
208-96-8	Acenaphthylene	20	17.1	86	66-108
120-12-7	Anthracene	10	9.4	94	64-107
56-55-3	Benzo(a)anthracene	10	8.9	89	70-108
50-32-8	Benzo(a)pyrene	10	8.3	83	72-115
205-99-2	Benzo(b)fluoranthene	10	9.0	90	73-111
191-24-2	Benzo(g,h,i)perylene	10	8.8	88	69-113
207-08-9	Benzo(k)fluoranthene	10	9.1	91	70-111
218-01-9	Chrysene	10	9.8	98	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.0	90	71-114
206-44-0	Fluoranthene	20	17.7	89	68-110
86-73-7	Fluorene	20	17.1	86	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	8.8	88	69-110
91-20-3	Naphthalene	20	14.4	72	55-94
90-12-0	1-Methylnaphthalene	20	15.0	75	55-97
91-57-6	2-Methylnaphthalene	20	14.8	74	51-97
85-01-8	Phenanthrene	20	18.2	91	67-108
129-00-0	Pyrene	20	18.3	92	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	43-121%
92-94-4	p-Terphenyl	85%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61049
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26938-MS	EE058678.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
OP26938-MSD	EE058679.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141
F61005-14	EE058677.D	1	10/31/08	MRE	10/27/08	OP26938	GEE2141

The QC reported here applies to the following samples: **Method:** EPA 610

F61049-1, F61049-3, F61049-4, F61049-5, F61049-6

CAS No.	Compound	F61005-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	34.6	90	33.7	88	3	60-102/33
208-96-8	Acenaphthylene	ND		38.5	35.9	93	35.2	92	2	66-108/32
120-12-7	Anthracene	ND		19.2	20.1	105	19.5	101	3	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.4	101	19.6	102	1	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	18.5	96	18.7	97	1	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	19.6	102	19.8	103	1	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	19.3	100	19.6	102	2	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.7	102	20.0	104	2	70-111/21
218-01-9	Chrysene	ND		19.2	21.4	111	21.6	112*	1	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	20.0	104	20.2	105	1	71-114/23
206-44-0	Fluoranthene	ND		38.5	38.2	99	37.6	98	2	68-110/17
86-73-7	Fluorene	ND		38.5	36.2	94	35.1	91	3	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	19.3	100	19.5	101	1	69-110/22
91-20-3	Naphthalene	ND		38.5	30.2	79	29.9	78	1	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	31.8	83	31.3	81	2	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	31.4	82	30.9	80	2	51-97/25
85-01-8	Phenanthrene	ND		38.5	38.7	101	37.6	98	3	67-108/22
129-00-0	Pyrene	ND		38.5	39.3	102	38.7	101	2	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61005-14	Limits
84-15-1	o-Terphenyl	93%	91%	91%	43-121%
92-94-4	p-Terphenyl	94%	94%	95%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/10/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61107

Sampling Date: 10/23/08

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: **119**

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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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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F61107

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61107-1	10/23/08	08:40	MM	10/24/08	AQ	Ground Water	UST1115-MW04
F61107-2	10/23/08	09:15	MM	10/24/08	AQ	Ground Water	UST1115-MW06
F61107-3	10/23/08	09:50	MM	10/24/08	AQ	Ground Water	UST1115-MW08
F61107-4	10/23/08	11:10	MM	10/24/08	AQ	Ground Water	UST1115-MW10
F61107-5	10/23/08	10:45	MM	10/24/08	AQ	Ground Water	UST1115-MW11
F61107-6	10/23/08	13:40	MM	10/24/08	AQ	Ground Water	UST1115-MW12
F61107-7	10/23/08	10:45	MM	10/24/08	AQ	Ground Water	UST1115-MW13
F61107-8	10/23/08	10:15	MM	10/24/08	AQ	Ground Water	UST1115-MW14
F61107-9	10/23/08	14:00	MM	10/24/08	AQ	Ground Water	UST1115-MW15
F61107-10	10/23/08	08:55	MM	10/24/08	AQ	Ground Water	UST1115-MW17
F61107-11	10/23/08	09:15	MM	10/24/08	AQ	Ground Water	UST1115-MW22
F61107-12	10/23/08	11:20	MM	10/24/08	AQ	Ground Water	UST1115-MW25
F61107-13	10/23/08	08:15	MM	10/24/08	AQ	Ground Water	IR78-GW19

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F61107

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61107-14	10/23/08	13:05	MM	10/24/08	AQ	Ground Water	UST1115GT-MW01
F61107-15	10/23/08	14:10	MM	10/24/08	AQ	Ground Water	UST1115GT-MW03
F61107-16	10/23/08	14:30	MM	10/24/08	AQ	Ground Water	UST1115GT-MW06
F61107-17	10/23/08	09:50	MM	10/24/08	AQ	Ground Water	USTHPFFC-MW13
F61107-18	10/23/08	08:45	MM	10/24/08	AQ	Ground Water	USTHPFFC-MW51
F61107-19	10/23/08	10:15	MM	10/24/08	AQ	Ground Water	USTHPFFC-MW56
F61107-20	10/23/08	00:00	MM	10/24/08	AQ	Trip Blank Water	TRIP BLANK-102308

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: UST1115-MW04
Lab Sample ID: F61107-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/23/08
Date Received: 10/24/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031111.D	1	11/05/08	MM	n/a	n/a	VM1278
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	1.7	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	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61107-1	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	107%		76-127%
2037-26-5	Toluene-D8	95%		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-MW04		
Lab Sample ID:	F61107-1	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046063.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		43-121%
92-94-4	p-Terphenyl	67%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW06		
Lab Sample ID:	F61107-2	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031112.D	1	11/05/08	MM	n/a	n/a	VM1278
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	24.0	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	1.5	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	1.9	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	6.0	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	5.5	1.0	0.32	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-MW06		
Lab Sample ID:	F61107-2	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	103%		76-127%
2037-26-5	Toluene-D8	94%		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-MW06		
Lab Sample ID:	F61107-2	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046064.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		43-121%
92-94-4	p-Terphenyl	86%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW08
Lab Sample ID: F61107-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/23/08
Date Received: 10/24/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031113.D	1	11/05/08	MM	n/a	n/a	VM1278
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	0.34	1.0	0.28	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW08		
Lab Sample ID:	F61107-3	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	107%		76-127%
2037-26-5	Toluene-D8	94%		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-MW08
Lab Sample ID: F61107-3
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-HPFF

Date Sampled: 10/23/08
Date Received: 10/24/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046065.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		43-121%
92-94-4	p-Terphenyl	79%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW10		
Lab Sample ID:	F61107-4	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031123.D	1	11/05/08	MM	n/a	n/a	VM1278
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	3.7	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.60	1.0	0.21	ug/l	J
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.2	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW10		
Lab Sample ID:	F61107-4	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	106%		76-127%
2037-26-5	Toluene-D8	94%		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 Laboratories

Report of Analysis

Client Sample ID:	UST1115-MW10		
Lab Sample ID:	F61107-4	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046066.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	1.7	1.9	0.96	ug/l	J
90-12-0	1-Methylnaphthalene	0.95	1.9	0.48	ug/l	J
91-57-6	2-Methylnaphthalene	0.94	1.9	0.48	ug/l	J
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		43-121%
92-94-4	p-Terphenyl	84%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW11		
Lab Sample ID:	F61107-5	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031124.D	1	11/05/08	MM	n/a	n/a	VM1278
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	57.6	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	2.7	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	2.2	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW11		
Lab Sample ID:	F61107-5	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	98%		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-MW11		
Lab Sample ID:	F61107-5	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046067.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		43-121%
92-94-4	p-Terphenyl	83%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW12		
Lab Sample ID:	F61107-6	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031140.D	5	11/06/08	MM	n/a	n/a	VM1279
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]	105	130	50	ug/l	J
71-43-2	Benzene	214	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
75-15-0	Carbon disulfide	4.9	10	2.0	ug/l	J
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	114	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	21.1	5.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	55.0	5.0	2.2	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	ug/l	
75-09-2	Methylene chloride	9.0	25	5.0	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
100-42-5	Styrene	ND	5.0	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	244	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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:	UST1115-MW12		
Lab Sample ID:	F61107-6	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	1.5	ug/l	
1330-20-7	Xylene (total)	206	15	5.8	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	112%		76-127%
2037-26-5	Toluene-D8	92%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW12		
Lab Sample ID:	F61107-6	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046068.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2 [b]	EE058813.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	36%	49%	43-121%
92-94-4	p-Terphenyl	32%	46%	30-122%

(a) Confirmed ND by re-extraction and reanalysis beyond holdtime.
(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:	UST1115-MW13		
Lab Sample ID:	F61107-7	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F031794.D	1	11/05/08	AJ	n/a	n/a	VF793
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61107-7	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	91%		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-MW13		
Lab Sample ID:	F61107-7	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046069.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2 [a]	EE058693.D	4	11/03/08	FEA	10/30/08	OP26996	GEE2142

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	18.8	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	3.4	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	179 [b]	7.7	3.8	ug/l	
90-12-0	1-Methylnaphthalene	21.0	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	37.4	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%	88%	43-121%
92-94-4	p-Terphenyl	90%	84%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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-MW14		
Lab Sample ID:	F61107-8	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F031817.D	10	11/06/08	AJ	n/a	n/a	VF794
Run #2 [a]	F031859.D	20	11/07/08	AJ	n/a	n/a	VF795

	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	1050 [b]	20	8.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	7.4	10	3.4	ug/l	J
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4.9	10	2.0	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
75-09-2	Methylene chloride [c]	20.5 [b]	100	20	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	ND	10	3.5	ug/l	
79-01-6	Trichloroethylene	6.1	10	3.2	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-MW14		
Lab Sample ID:	F61107-8	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	3.0	ug/l	
1330-20-7	Xylene (total)	ND	30	12	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	95%	99%	76-127%
2037-26-5	Toluene-D8	95%	98%	86-112%
460-00-4	4-Bromofluorobenzene	101%	99%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2
(c) 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-MW14		
Lab Sample ID:	F61107-8	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046070.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	0.98	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.98	ug/l	
120-12-7	Anthracene	ND	2.0	0.98	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.098	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.049	ug/l	
218-01-9	Chrysene	ND	2.0	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.049	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.49	ug/l	
86-73-7	Fluorene	ND	2.0	0.98	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.049	ug/l	
91-20-3	Naphthalene	1.4	2.0	0.98	ug/l	J
90-12-0	1-Methylnaphthalene	ND	2.0	0.49	ug/l	
91-57-6	2-Methylnaphthalene	1.0	2.0	0.49	ug/l	J
85-01-8	Phenanthrene	ND	2.0	0.98	ug/l	
129-00-0	Pyrene	ND	2.0	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		43-121%
92-94-4	p-Terphenyl	90%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61107-9	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F031795.D	1	11/05/08	AJ	n/a	n/a	VF793
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.38	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61107-9	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	100%		76-127%
2037-26-5	Toluene-D8	91%		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-MW15		
Lab Sample ID:	F61107-9	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046073.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		43-121%
92-94-4	p-Terphenyl	86%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61107-10	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F031818.D	5	11/06/08	AJ	n/a	n/a	VF794
Run #2 [a]	F031860.D	10	11/07/08	AJ	n/a	n/a	VF795

	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	130	50	ug/l	
71-43-2	Benzene	494 [b]	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	17.3	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.0	5.0	1.0	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	11.9	5.0	2.2	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	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	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	ND	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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:	UST1115-MW17		
Lab Sample ID:	F61107-10	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	1.5	ug/l	
1330-20-7	Xylene (total)	15.4	15	5.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	95%	100%	76-127%
2037-26-5	Toluene-D8	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	99%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(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-MW17		
Lab Sample ID:	F61107-10	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046074.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	12.4	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	6.0	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	8.0	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	12.3	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	11.0	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		43-121%
92-94-4	p-Terphenyl	93%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61107-11	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F031819.D	5	11/06/08	AJ	n/a	n/a	VF794
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	305	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	4.0	5.0	1.7	ug/l	J
78-87-5	1,2-Dichloropropane	ND	5.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	2.2	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	ug/l	
75-09-2	Methylene chloride [a]	6.2	25	5.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
100-42-5	Styrene	ND	5.0	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	ND	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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:	UST1115-MW22		
Lab Sample ID:	F61107-11	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	1.5	ug/l	
1330-20-7	Xylene (total)	ND	15	5.8	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	95%		76-127%
2037-26-5	Toluene-D8	97%		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:	UST1115-MW22		
Lab Sample ID:	F61107-11	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046077.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	88%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61107-12	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056598.D	1	11/05/08	LD	n/a	n/a	VB2371
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	27.7	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.93	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61107-12	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		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 Laboratories

Report of Analysis

Client Sample ID:	UST1115-MW25		
Lab Sample ID:	F61107-12	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046078.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		43-121%
92-94-4	p-Terphenyl	87%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW19
Lab Sample ID: F61107-13
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/23/08
Date Received: 10/24/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059021.D	1	11/05/08	LD	n/a	n/a	VC2394
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	0.56	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW19		
Lab Sample ID:	F61107-13	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	110%		76-127%
2037-26-5	Toluene-D8	109%		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:	IR78-GW19		
Lab Sample ID:	F61107-13	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046079.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		43-121%
92-94-4	p-Terphenyl	84%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61107-14	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056599.D	1	11/05/08	LD	n/a	n/a	VB2371
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	0.89	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61107-14	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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 Laboratories

Report of Analysis

Client Sample ID:	UST1115GT-MW01		
Lab Sample ID:	F61107-14	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046080.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	60%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW03
Lab Sample ID: F61107-15
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/23/08
Date Received: 10/24/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059022.D	250	11/05/08	LD	n/a	n/a	VC2394
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	186	250	100	ug/l	J
75-27-4	Bromodichloromethane	ND	250	50	ug/l	
75-25-2	Bromoform	ND	250	83	ug/l	
108-90-7	Chlorobenzene	ND	250	55	ug/l	
75-00-3	Chloroethane	ND	500	120	ug/l	
67-66-3	Chloroform	ND	250	70	ug/l	
75-15-0	Carbon disulfide	ND	500	100	ug/l	
56-23-5	Carbon tetrachloride	ND	250	55	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	60	ug/l	
75-35-4	1,1-Dichloroethylene	ND	250	140	ug/l	
107-06-2	1,2-Dichloroethane	ND	250	85	ug/l	
78-87-5	1,2-Dichloropropane	ND	250	53	ug/l	
124-48-1	Dibromochloromethane	ND	250	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	250	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	250	53	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	250	110	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	250	53	ug/l	
100-41-4	Ethylbenzene	3890	250	110	ug/l	
591-78-6	2-Hexanone	ND	2500	1300	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1300	500	ug/l	
74-83-9	Methyl bromide	ND	500	200	ug/l	
74-87-3	Methyl chloride	ND	500	150	ug/l	
75-09-2	Methylene chloride	ND	1300	250	ug/l	
78-93-3	Methyl ethyl ketone	ND	1300	500	ug/l	
100-42-5	Styrene	ND	250	90	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	83	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	53	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	250	65	ug/l	
127-18-4	Tetrachloroethylene	ND	250	55	ug/l	
108-88-3	Toluene	18100	250	88	ug/l	
79-01-6	Trichloroethylene	ND	250	80	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-MW03		
Lab Sample ID:	F61107-15	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	75	ug/l	
1330-20-7	Xylene (total)	13600	750	290	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	112%		76-127%
2037-26-5	Toluene-D8	105%		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-MW03		
Lab Sample ID:	F61107-15	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046081.D	5	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2 [a]	EE058754.D	5	11/04/08	FEA	10/30/08	OP26996	GEE2143

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	9.6	4.8	ug/l	
208-96-8	Acenaphthylene	ND	9.6	4.8	ug/l	
120-12-7	Anthracene	6.5	9.6	4.8	ug/l	J
56-55-3	Benzo(a)anthracene	10.6	0.96	0.24	ug/l	
50-32-8	Benzo(a)pyrene	5.8	0.96	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	7.1	0.96	0.24	ug/l	
191-24-2	Benzo(g,h,i)perylene	3.6	0.96	0.48	ug/l	
207-08-9	Benzo(k)fluoranthene	3.2	0.96	0.24	ug/l	
218-01-9	Chrysene	6.1 [b]	9.6	2.4	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	0.40	0.96	0.24	ug/l	J
206-44-0	Fluoranthene	31.9	9.6	2.4	ug/l	
86-73-7	Fluorene	ND	9.6	4.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.9	0.96	0.24	ug/l	
91-20-3	Naphthalene	93.5	9.6	4.8	ug/l	
90-12-0	1-Methylnaphthalene	34.3	9.6	2.4	ug/l	
91-57-6	2-Methylnaphthalene	52.5	9.6	2.4	ug/l	
85-01-8	Phenanthrene	15.3	9.6	4.8	ug/l	
129-00-0	Pyrene	38.8	9.6	2.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%	64%	43-121%
92-94-4	p-Terphenyl	74%	51%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	UST1115GT-MW06		
Lab Sample ID:	F61107-16	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059023.D	20	11/05/08	LD	n/a	n/a	VC2394
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	1770	20	8.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.0	ug/l	
75-25-2	Bromoform	ND	20	6.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.4	ug/l	
75-00-3	Chloroethane	ND	40	9.6	ug/l	
67-66-3	Chloroform	ND	20	5.6	ug/l	
75-15-0	Carbon disulfide	ND	40	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	4.8	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	38.7	20	6.8	ug/l	
78-87-5	1,2-Dichloropropane	31.8	20	4.2	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	9.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	452	20	8.6	ug/l	
591-78-6	2-Hexanone	ND	200	100	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	40	ug/l	
74-83-9	Methyl bromide	ND	40	16	ug/l	
74-87-3	Methyl chloride	ND	40	12	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
100-42-5	Styrene	ND	20	7.2	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	5.2	ug/l	
127-18-4	Tetrachloroethylene	ND	20	4.4	ug/l	
108-88-3	Toluene	476	20	7.0	ug/l	
79-01-6	Trichloroethylene	ND	20	6.4	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-MW06		
Lab Sample ID:	F61107-16	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	6.0	ug/l	
1330-20-7	Xylene (total)	331	60	23	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	111%		76-127%
2037-26-5	Toluene-D8	110%		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-MW06		
Lab Sample ID:	F61107-16	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046082.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	55.3	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	3.3	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	3.9	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		43-121%
92-94-4	p-Terphenyl	63%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61107-17	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056610.D	1	11/06/08	LD	n/a	n/a	VB2372
Run #2	B056600.D	5	11/05/08	LD	n/a	n/a	VB2371

	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	99.9	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	96.4	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	1.1	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61107-17	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	10.5	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	108%	76-127%
2037-26-5	Toluene-D8	101%	102%	86-112%
460-00-4	4-Bromofluorobenzene	104%	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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW13		
Lab Sample ID:	F61107-17	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046085.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		43-121%
92-94-4	p-Terphenyl	86%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61107-18	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056601.D	1	11/05/08	LD	n/a	n/a	VB2371
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61107-18	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		76-127%
2037-26-5	Toluene-D8	105%		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-MW51		
Lab Sample ID:	F61107-18	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046086.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	82%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61107-19	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056602.D	1	11/05/08	LD	n/a	n/a	VB2371
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	42.9	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61107-19	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		76-127%
2037-26-5	Toluene-D8	105%		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-MW56		
Lab Sample ID:	F61107-19	**Date Sampled:**	10/23/08
Matrix:	AQ - Ground Water	**Date Received:**	10/24/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046087.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		43-121%
92-94-4	p-Terphenyl	74%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-102308
Lab Sample ID: F61107-20
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/23/08
Date Received: 10/24/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059024.D	1	11/05/08	LD	n/a	n/a	VC2394
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-102308		
Lab Sample ID:	F61107-20	**Date Sampled:**	10/23/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/24/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	110%		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-102308-1

F61107

CHAIN-OF-CUSTODY RECORD

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	
Client Rep	**Project Manager**	
US NAVY - LANTDIV	Joe Colella	

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610
1	UST1115-MW04	10/23/08	8:40		X	UST1115-MW04	5	X	X
2	UST1115-MW06	10/23/08	9:15		X	UST1115-MW06	5	X	X
3	UST1115-MW08	10/23/08	9:50		X	UST1115-MW08	5	X	X
4	UST1115-MW10	10/23/08	11:10		X	UST1115-MW10	5	X	X
5	UST1115-MW11	10/23/08	10:45		X	UST1115-MW11	5	X	X
6	UST1115-MW12	10/23/08	13:40		X	UST1115-MW12	5	X	X
7	UST1115-MW13	10/23/08	10:45		X	UST1115-MW13	5	X	X
8	UST1115-MW14	10/23/08	10:15		X	UST1115-MW14	5	X	X
9	UST1115-MW15	10/23/08	14:00		X	UST1115-MW15	5	X	X
10	UST1115-MW17	10/23/08	8:55		X	UST1115-MW17	5	X	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 10		FedEx	10/23/08	17:00
2		FX	J. Pope	10-24-08	09:30
3					

Remarks

14 Day TAT

FedEx 8668 3649 8318, 8668 3649 8329, 8668 3649 8330, 8668 3649 8340, 86683649 8351, 8668 3649 8362

2.6 2.0 1.8 1.c 2.4

F61107: Chain of Custody
Page 1 of 3

COC Number:
125709-HPFF-102308-2

Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F61107

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location	Project Number	Contact	PO Number
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin	

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	PAH 610
11	UST1115-MW22	10/23/08	9:15		X	UST1115-MW22	5	X	X
12	UST1115-MW25	10/23/08	11:20		X	UST1115-MW25	5	X	X
13	IR78-GW19	10/23/08	8:15		X	IR78-GW19	5	X	X
14	UST1115GT-MW01	10/23/08	13:05		X	UST1115GT-MW01	5	X	X
15	UST1115GT-MW03	10/23/08	14:10		X	UST1115GT-MW03	5	X	X
16	UST1115GT-MW06	10/23/08	14:30		X	UST1115GT-MW06	5	X	X
17	USTHPFFC-MW13	10/23/08	9:50		X	USTHPFFC-MW13	5	X	X
18	USTHPFFC-MW51	10/23/08	8:45		X	USTHPFFC-MW51	5	X	X
19	USTHPFFC-MW56	10/23/08	10:15		X	USTHPFFC-MW56	5	X	X
20	TripBlank-102308	10/23/08			X	Trip Blank	5	X	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 10		FedEx	10/23/08	17:00
2		FX	J. Cope	10-24-08	09:20
3					

Remarks

14 Day TAT

FedEx 8668 3649 8318, 8668 3649 8329, 8668 3649 8330, 8668 3649 8340, 86683649 8351, 8668 3649 8362

9.6 2.0 1 8 1.2 2.4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61107 CLIENT: SHAW PROJECT: CAMP LEJEUNE-HPFF

DATE/TIME RECEIVED: 10-24-08 09:30 # OF COOLERS RECEIVED: 5 COOLER TEMPS: 2.6 2.0 1.8 1.2 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3619 8330

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
- [ ] 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 ? ____

NUMBER OF 5035 FIELD KITS ? ____

NUMBER OF LAB FILTERED METALS ? ____

SUMMARY OF COMMENTS: SEE COC FOR TIMES

TECHNICIAN SIGNATURE/DATE JC 10-24-08 TECHNICIAN SIGNATURE/DATE E-T-10-24-08 ASBD 12/17/07

F61107: Chain of Custody

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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: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1278-MB	M0031102.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1278-MB	M0031102.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5

CAS No.	Surrogate Recoveries		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	106%	84-120%

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2394-MB	C059003.D	1	11/05/08	LD	n/a	n/a	VC2394

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-13, F61107-15, F61107-16, F61107-20

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2394-MB	C059003.D	1	11/05/08	LD	n/a	n/a	VC2394

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-13, F61107-15, F61107-16, F61107-20

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	110%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF793-MB	F031778.D	1	11/05/08	AJ	n/a	n/a	VF793

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-7, F61107-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF793-MB	F031778.D	1	11/05/08	AJ	n/a	n/a	VF793

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-7, F61107-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	76-127%
2037-26-5	Toluene-D8	90%	86-112%
460-00-4	4-Bromofluorobenzene	94%	84-120%

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2371-MB	B056581.D	1	11/05/08	LD	n/a	n/a	VB2371

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-12, F61107-14, F61107-17, F61107-18, F61107-19

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2371-MB	B056581.D	1	11/05/08	LD	n/a	n/a	VB2371

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-12, F61107-14, F61107-17, F61107-18, F61107-19

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	104%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2372-MB	B056609.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-17

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2372-MB	B056609.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-17

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1279-MB	M0031130.D	1	11/06/08	MM	n/a	n/a	VM1279

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1279-MB	M0031130.D	1	11/06/08	MM	n/a	n/a	VM1279

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-6

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	97%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF794-MB	F031816.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-8, F61107-10, F61107-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF794-MB	F031816.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-8, F61107-10, F61107-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1278-BS	M0031101.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	147	118	59-134
71-43-2	Benzene	25	26.4	106	83-124
75-27-4	Bromodichloromethane	25	26.9	108	76-116
75-25-2	Bromoform	25	25.1	100	68-128
108-90-7	Chlorobenzene	25	26.5	106	87-115
75-00-3	Chloroethane	25	26.4	106	54-166
67-66-3	Chloroform	25	29.2	117	85-123
75-15-0	Carbon disulfide	25	26.0	104	67-147
56-23-5	Carbon tetrachloride	25	28.5	114	74-139
75-34-3	1,1-Dichloroethane	25	29.1	116	82-127
75-35-4	1,1-Dichloroethylene	25	27.0	108	75-133
107-06-2	1,2-Dichloroethane	25	26.2	105	76-122
78-87-5	1,2-Dichloropropane	25	27.0	108	81-120
124-48-1	Dibromochloromethane	25	25.7	103	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.9	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.7	107	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.0	116	87-123
100-41-4	Ethylbenzene	25	26.2	105	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	23.7	95	55-151
74-87-3	Methyl chloride	25	30.0	120	55-173
75-09-2	Methylene chloride	25	23.5	94	69-125
78-93-3	Methyl ethyl ketone	125	112	90	61-127
100-42-5	Styrene	25	26.2	105	78-118
71-55-6	1,1,1-Trichloroethane	25	28.2	113	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.8	107	71-120
79-00-5	1,1,2-Trichloroethane	25	25.2	101	80-114
127-18-4	Tetrachloroethylene	25	29.5	118	80-131
108-88-3	Toluene	25	26.7	107	86-116
79-01-6	Trichloroethylene	25	24.3	97	85-124
75-01-4	Vinyl chloride	25	26.3	105	57-153
1330-20-7	Xylene (total)	75	79.4	106	86-120

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1278-BS	M0031101.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	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	105%	84-120%

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2394-BS	C059002.D	1	11/05/08	LD	n/a	n/a	VC2394

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-13, F61107-15, F61107-16, F61107-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	77.9	62	59-134
71-43-2	Benzene	25	23.7	95	83-124
75-27-4	Bromodichloromethane	25	22.8	91	76-116
75-25-2	Bromoform	25	26.4	106	68-128
108-90-7	Chlorobenzene	25	26.1	104	87-115
75-00-3	Chloroethane	25	26.7	107	54-166
67-66-3	Chloroform	25	24.9	100	85-123
75-15-0	Carbon disulfide	25	25.8	103	67-147
56-23-5	Carbon tetrachloride	25	28.0	112	74-139
75-34-3	1,1-Dichloroethane	25	26.0	104	82-127
75-35-4	1,1-Dichloroethylene	25	27.2	109	75-133
107-06-2	1,2-Dichloroethane	25	23.4	94	76-122
78-87-5	1,2-Dichloropropane	25	21.9	88	81-120
124-48-1	Dibromochloromethane	25	26.0	104	74-116
156-59-2	cis-1,2-Dichloroethylene	25	22.1	88	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.3	93	83-119
156-60-5	trans-1,2-Dichloroethylene	25	25.3	101	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.6	110	87-123
100-41-4	Ethylbenzene	25	27.1	108	87-118
591-78-6	2-Hexanone	125	115	92	58-125
108-10-1	4-Methyl-2-pentanone	125	124	99	62-125
74-83-9	Methyl bromide	25	25.2	101	55-151
74-87-3	Methyl chloride	25	28.8	115	55-173
75-09-2	Methylene chloride	25	25.5	102	69-125
78-93-3	Methyl ethyl ketone	125	93.7	75	61-127
100-42-5	Styrene	25	24.8	99	78-118
71-55-6	1,1,1-Trichloroethane	25	27.1	108	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.8	103	71-120
79-00-5	1,1,2-Trichloroethane	25	24.0	96	80-114
127-18-4	Tetrachloroethylene	25	27.2	109	80-131
108-88-3	Toluene	25	26.5	106	86-116
79-01-6	Trichloroethylene	25	22.9	92	85-124
75-01-4	Vinyl chloride	25	25.2	101	57-153
1330-20-7	Xylene (total)	75	82.1	109	86-120

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2394-BS	C059002.D	1	11/05/08	LD	n/a	n/a	VC2394

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-13, F61107-15, F61107-16, F61107-20

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	76-127%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2371-BS	B056580.D	1	11/05/08	LD	n/a	n/a	VB2371

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-12, F61107-14, F61107-17, F61107-18, F61107-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	87.7	70	59-134
71-43-2	Benzene	25	26.1	104	83-124
75-27-4	Bromodichloromethane	25	23.6	94	76-116
75-25-2	Bromoform	25	21.6	86	68-128
108-90-7	Chlorobenzene	25	26.5	106	87-115
75-00-3	Chloroethane	25	31.3	125	54-166
67-66-3	Chloroform	25	26.5	106	85-123
75-15-0	Carbon disulfide	25	26.2	105	67-147
56-23-5	Carbon tetrachloride	25	29.5	118	74-139
75-34-3	1,1-Dichloroethane	25	28.8	115	82-127
75-35-4	1,1-Dichloroethylene	25	25.2	101	75-133
107-06-2	1,2-Dichloroethane	25	23.9	96	76-122
78-87-5	1,2-Dichloropropane	25	25.2	101	81-120
124-48-1	Dibromochloromethane	25	23.8	95	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.7	99	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.6	98	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.4	114	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.5	106	87-123
100-41-4	Ethylbenzene	25	27.2	109	87-118
591-78-6	2-Hexanone	125	99.9	80	58-125
108-10-1	4-Methyl-2-pentanone	125	97.1	78	62-125
74-83-9	Methyl bromide	25	28.2	113	55-151
74-87-3	Methyl chloride	25	28.2	113	55-173
75-09-2	Methylene chloride	25	25.1	100	69-125
78-93-3	Methyl ethyl ketone	125	90.1	72	61-127
100-42-5	Styrene	25	23.7	95	78-118
71-55-6	1,1,1-Trichloroethane	25	28.7	115	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.4	90	71-120
79-00-5	1,1,2-Trichloroethane	25	23.2	93	80-114
127-18-4	Tetrachloroethylene	25	25.4	102	80-131
108-88-3	Toluene	25	27.0	108	86-116
79-01-6	Trichloroethylene	25	24.4	98	85-124
75-01-4	Vinyl chloride	25	25.1	100	57-153
1330-20-7	Xylene (total)	75	81.6	109	86-120

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2371-BS	B056580.D	1	11/05/08	LD	n/a	n/a	VB2371

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-12, F61107-14, F61107-17, F61107-18, F61107-19

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	109%	76-127%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF793-BS	F031801.D	1	11/05/08	AJ	n/a	n/a	VF793

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-7, F61107-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	226	181*	59-134
71-43-2	Benzene	25	30.9	124	83-124
75-27-4	Bromodichloromethane	25	24.8	99	76-116
75-25-2	Bromoform	25	19.3	77	68-128
108-90-7	Chlorobenzene	25	23.5	94	87-115
75-00-3	Chloroethane	25	25.1	100	54-166
67-66-3	Chloroform	25	26.2	105	85-123
75-15-0	Carbon disulfide	25	22.6	90	67-147
56-23-5	Carbon tetrachloride	25	25.2	101	74-139
75-34-3	1,1-Dichloroethane	25	27.3	109	82-127
75-35-4	1,1-Dichloroethylene	25	30.0	120	75-133
107-06-2	1,2-Dichloroethane	25	25.1	100	76-122
78-87-5	1,2-Dichloropropane	25	26.7	107	81-120
124-48-1	Dibromochloromethane	25	19.2	77	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.2	97	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.8	107	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.5	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	23.6	94	87-123
100-41-4	Ethylbenzene	25	23.7	95	87-118
591-78-6	2-Hexanone	125	153	122	58-125
108-10-1	4-Methyl-2-pentanone	125	128	102	62-125
74-83-9	Methyl bromide	25	21.9	88	55-151
74-87-3	Methyl chloride	25	31.8	127	55-173
75-09-2	Methylene chloride	25	27.1	108	69-125
78-93-3	Methyl ethyl ketone	125	195	156*	61-127
100-42-5	Styrene	25	22.2	89	78-118
71-55-6	1,1,1-Trichloroethane	25	26.1	104	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	71-120
79-00-5	1,1,2-Trichloroethane	25	22.4	90	80-114
127-18-4	Tetrachloroethylene	25	23.4	94	80-131
108-88-3	Toluene	25	23.1	92	86-116
79-01-6	Trichloroethylene	25	25.5	102	85-124
75-01-4	Vinyl chloride	25	24.9	100	57-153
1330-20-7	Xylene (total)	75	69.5	93	86-120

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF793-BS	F031801.D	1	11/05/08	AJ	n/a	n/a	VF793

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-7, F61107-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	91%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2372-BS	B056608.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	99.0	79	59-134
71-43-2	Benzene	25	25.6	102	83-124
75-27-4	Bromodichloromethane	25	22.5	90	76-116
75-25-2	Bromoform	25	19.5	78	68-128
108-90-7	Chlorobenzene	25	26.0	104	87-115
75-00-3	Chloroethane	25	30.5	122	54-166
67-66-3	Chloroform	25	26.0	104	85-123
75-15-0	Carbon disulfide	25	26.6	106	67-147
56-23-5	Carbon tetrachloride	25	28.6	114	74-139
75-34-3	1,1-Dichloroethane	25	28.6	114	82-127
75-35-4	1,1-Dichloroethylene	25	26.6	106	75-133
107-06-2	1,2-Dichloroethane	25	23.8	95	76-122
78-87-5	1,2-Dichloropropane	25	25.1	100	81-120
124-48-1	Dibromochloromethane	25	23.0	92	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.6	98	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.8	95	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.0	112	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.1	100	87-123
100-41-4	Ethylbenzene	25	26.6	106	87-118
591-78-6	2-Hexanone	125	93.5	75	58-125
108-10-1	4-Methyl-2-pentanone	125	92.2	74	62-125
74-83-9	Methyl bromide	25	28.2	113	55-151
74-87-3	Methyl chloride	25	28.1	112	55-173
75-09-2	Methylene chloride	25	26.6	106	69-125
78-93-3	Methyl ethyl ketone	125	85.6	68	61-127
100-42-5	Styrene	25	23.0	92	78-118
71-55-6	1,1,1-Trichloroethane	25	28.1	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	21.7	87	71-120
79-00-5	1,1,2-Trichloroethane	25	22.4	90	80-114
127-18-4	Tetrachloroethylene	25	24.6	98	80-131
108-88-3	Toluene	25	26.5	106	86-116
79-01-6	Trichloroethylene	25	23.6	94	85-124
75-01-4	Vinyl chloride	25	24.5	98	57-153
1330-20-7	Xylene (total)	75	79.5	106	86-120

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2372-BS	B056608.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-17

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1279-BS	M0031129.D	1	11/06/08	MM	n/a	n/a	VM1279

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	170	136*	59-134
71-43-2	Benzene	25	26.0	104	83-124
75-27-4	Bromodichloromethane	25	26.8	107	76-116
75-25-2	Bromoform	25	24.9	100	68-128
108-90-7	Chlorobenzene	25	26.4	106	87-115
75-00-3	Chloroethane	25	28.4	114	54-166
67-66-3	Chloroform	25	29.1	116	85-123
75-15-0	Carbon disulfide	25	26.5	106	67-147
56-23-5	Carbon tetrachloride	25	28.5	114	74-139
75-34-3	1,1-Dichloroethane	25	28.8	115	82-127
75-35-4	1,1-Dichloroethylene	25	26.9	108	75-133
107-06-2	1,2-Dichloroethane	25	26.3	105	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	24.7	99	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.3	105	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.0	112	87-123
100-41-4	Ethylbenzene	25	24.9	100	87-118
591-78-6	2-Hexanone	125	110	88	58-125
108-10-1	4-Methyl-2-pentanone	125	114	91	62-125
74-83-9	Methyl bromide	25	23.5	94	55-151
74-87-3	Methyl chloride	25	30.3	121	55-173
75-09-2	Methylene chloride	25	23.2	93	69-125
78-93-3	Methyl ethyl ketone	125	119	95	61-127
100-42-5	Styrene	25	24.7	99	78-118
71-55-6	1,1,1-Trichloroethane	25	28.5	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.6	98	71-120
79-00-5	1,1,2-Trichloroethane	25	24.4	98	80-114
127-18-4	Tetrachloroethylene	25	29.4	118	80-131
108-88-3	Toluene	25	25.0	100	86-116
79-01-6	Trichloroethylene	25	24.2	97	85-124
75-01-4	Vinyl chloride	25	27.1	108	57-153
1330-20-7	Xylene (total)	75	75.2	100	86-120

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1279-BS	M0031129.D	1	11/06/08	MM	n/a	n/a	VM1279

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF794-BS	F031815.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-8, F61107-10, F61107-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	104	83	59-134
71-43-2	Benzene	25	22.9	92	83-124
75-27-4	Bromodichloromethane	25	23.5	94	76-116
75-25-2	Bromoform	25	24.4	98	68-128
108-90-7	Chlorobenzene	25	24.4	98	87-115
75-00-3	Chloroethane	25	23.2	93	54-166
67-66-3	Chloroform	25	24.5	98	85-123
75-15-0	Carbon disulfide	25	20.6	82	67-147
56-23-5	Carbon tetrachloride	25	25.5	102	74-139
75-34-3	1,1-Dichloroethane	25	25.1	100	82-127
75-35-4	1,1-Dichloroethylene	25	16.0	64*	75-133
107-06-2	1,2-Dichloroethane	25	22.6	90	76-122
78-87-5	1,2-Dichloropropane	25	23.5	94	81-120
124-48-1	Dibromochloromethane	25	24.8	99	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.1	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.8	103	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.2	97	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.2	109	87-123
100-41-4	Ethylbenzene	25	25.2	101	87-118
591-78-6	2-Hexanone	125	112	90	58-125
108-10-1	4-Methyl-2-pentanone	125	119	95	62-125
74-83-9	Methyl bromide	25	23.2	93	55-151
74-87-3	Methyl chloride	25	19.2	77	55-173
75-09-2	Methylene chloride	25	24.2	97	69-125
78-93-3	Methyl ethyl ketone	125	121	97	61-127
100-42-5	Styrene	25	23.1	92	78-118
71-55-6	1,1,1-Trichloroethane	25	25.7	103	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.7	95	71-120
79-00-5	1,1,2-Trichloroethane	25	23.5	94	80-114
127-18-4	Tetrachloroethylene	25	26.6	106	80-131
108-88-3	Toluene	25	25.4	102	86-116
79-01-6	Trichloroethylene	25	24.4	98	85-124
75-01-4	Vinyl chloride	25	18.9	76	57-153
1330-20-7	Xylene (total)	75	76.2	102	86-120

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF794-BS	F031815.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-8, F61107-10, F61107-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF795-BS	F031857.D	1	11/07/08	AJ	n/a	n/a	VF795

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-8, F61107-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.9	96	83-124
75-09-2	Methylene chloride	25	26.0	104	69-125

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61082-1MS	F031790.D	1	11/05/08	AJ	n/a	n/a	VF793
F61082-1MSD	F031791.D	1	11/05/08	AJ	n/a	n/a	VF793
F61082-1	F031787.D	1	11/05/08	AJ	n/a	n/a	VF793

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-7, F61107-9

CAS No.	Compound	F61082-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	130	104	127	102	2	59-134/14
71-43-2	Benzene	ND		25	31.6	126*	30.2	121	5	83-124/11
75-27-4	Bromodichloromethane	ND		25	24.7	99	24.0	96	3	76-116/10
75-25-2	Bromoform	ND		25	20.9	84	21.1	84	1	68-128/11
108-90-7	Chlorobenzene	ND		25	24.7	99	23.5	94	5	87-115/9
75-00-3	Chloroethane	ND		25	25.0	100	22.8	91	9	54-166/20
67-66-3	Chloroform	ND		25	26.3	105	25.8	103	2	85-123/10
75-15-0	Carbon disulfide	ND		25	23.3	93	20.7	83	12	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.3	101	23.1	92	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.9	112	26.4	106	6	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	31.6	126	24.1	96	27*	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.3	101	24.3	97	4	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.0	108	25.9	104	4	81-120/11
124-48-1	Dibromochloromethane	ND		25	20.5	82	20.1	80	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.2	101	24.6	98	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.6	106	25.5	102	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.7	107	24.5	98	9	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.8	99	24.2	97	2	87-123/10
100-41-4	Ethylbenzene	ND		25	24.6	98	23.5	94	5	87-118/10
591-78-6	2-Hexanone	ND		125	177	142*	174	139*	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	163	130*	160	128*	2	62-125/13
74-83-9	Methyl bromide	ND		25	22.6	90	20.6	82	9	55-151/21
74-87-3	Methyl chloride	ND		25	31.6	126	28.6	114	10	55-173/22
75-09-2	Methylene chloride	ND		25	27.3	109	25.9	104	5	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	160	128*	162	130*	1	61-127/13
100-42-5	Styrene	ND		25	23.0	92	22.2	89	4	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.8	107	24.7	99	8	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.3	105	25.8	103	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.1	96	23.6	94	2	80-114/11
127-18-4	Tetrachloroethylene	ND		25	23.3	93	21.2	85	9	80-131/12
108-88-3	Toluene	ND		25	24.4	98	22.7	91	7	86-116/10
79-01-6	Trichloroethylene	ND		25	26.8	107	24.7	99	8	85-124/10
75-01-4	Vinyl chloride	ND		25	22.8	91	20.0	80	13	57-153/22
1330-20-7	Xylene (total)	ND		75	72.4	97	68.9	92	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61082-1MS	F031790.D	1	11/05/08	AJ	n/a	n/a	VF793
F61082-1MSD	F031791.D	1	11/05/08	AJ	n/a	n/a	VF793
F61082-1	F031787.D	1	11/05/08	AJ	n/a	n/a	VF793

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-7, F61107-9

CAS No.	Surrogate Recoveries	MS	MSD	F61082-1	Limits
1868-53-7	Dibromofluoromethane	101%	103%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	104%	76-127%
2037-26-5	Toluene-D8	92%	92%	91%	86-112%
460-00-4	4-Bromofluorobenzene	99%	98%	100%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61044-1MS	B056593.D	1	11/05/08	LD	n/a	n/a	VB2371
F61044-1MSD	B056594.D	1	11/05/08	LD	n/a	n/a	VB2371
F61044-1	B056588.D	1	11/05/08	LD	n/a	n/a	VB2371

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-12, F61107-14, F61107-17, F61107-18, F61107-19

CAS No.	Compound	F61044-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	34.7		125	113	63	115	64	2	59-134/14
71-43-2	Benzene	ND		25	25.2	101	26.5	106	5	83-124/11
75-27-4	Bromodichloromethane	ND		25	22.0	88	23.7	95	7	76-116/10
75-25-2	Bromoform	ND		25	20.1	80	21.5	86	7	68-128/11
108-90-7	Chlorobenzene	ND		25	25.5	102	27.0	108	6	87-115/9
75-00-3	Chloroethane	ND		25	30.5	122	32.3	129	6	54-166/20
67-66-3	Chloroform	ND		25	25.5	102	26.9	108	5	85-123/10
75-15-0	Carbon disulfide	ND		25	24.7	99	26.1	104	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	27.0	108	28.0	112	4	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.4	110	28.7	115	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.4	110	26.9	108	2	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	23.2	93	24.8	99	7	76-122/11
78-87-5	1,2-Dichloropropane	1.3		25	25.0	95	26.9	102	7	81-120/11
124-48-1	Dibromochloromethane	ND		25	22.8	91	24.5	98	7	74-116/11
156-59-2	cis-1,2-Dichloroethylene	78.1		25	106	112	112	136* [a]	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.2	89	24.5	98	10	83-119/10
156-60-5	trans-1,2-Dichloroethylene	0.60	J	25	27.8	109	28.6	112	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.2	97	26.2	105	8	87-123/10
100-41-4	Ethylbenzene	ND		25	26.5	106	27.3	109	3	87-118/10
591-78-6	2-Hexanone	ND		125	85.1	68	92.1	74	8	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	87.9	70	97.4	78	10	62-125/13
74-83-9	Methyl bromide	ND		25	26.3	105	27.9	112	6	55-151/21
74-87-3	Methyl chloride	ND		25	26.0	104	28.8	115	10	55-173/22
75-09-2	Methylene chloride	ND		25	24.2	97	25.9	104	7	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	78.9	63	85.6	68	8	61-127/13
100-42-5	Styrene	ND		25	23.0	92	24.0	96	4	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	27.7	111	28.9	116	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	20.4	82	22.5	90	10	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.0	88	23.7	95	7	80-114/11
127-18-4	Tetrachloroethylene	1.1		25	24.5	94	25.4	97	4	80-131/12
108-88-3	Toluene	ND		25	25.9	104	27.5	110	6	86-116/10
79-01-6	Trichloroethylene	0.40	J	25	23.1	91	24.4	96	5	85-124/10
75-01-4	Vinyl chloride	35.3		25	57.9	90	62.7	110	8	57-153/22
1330-20-7	Xylene (total)	ND		75	79.2	106	83.0	111	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61044-1MS	B056593.D	1	11/05/08	LD	n/a	n/a	VB2371
F61044-1MSD	B056594.D	1	11/05/08	LD	n/a	n/a	VB2371
F61044-1	B056588.D	1	11/05/08	LD	n/a	n/a	VB2371

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-12, F61107-14, F61107-17, F61107-18, F61107-19

CAS No.	Surrogate Recoveries	MS	MSD	F61044-1	Limits
1868-53-7	Dibromofluoromethane	103%	104%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	110%	108%	76-127%
2037-26-5	Toluene-D8	104%	104%	105%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	105%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61077-15MS	M0031116.D	1	11/05/08	MM	n/a	n/a	VM1278
F61077-15MSD	M0031117.D	1	11/05/08	MM	n/a	n/a	VM1278
F61077-15	M0031114.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5

CAS No.	Compound	F61077-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	128	102	121	97	6	59-134/14
71-43-2	Benzene	ND		25	25.4	102	24.6	98	3	83-124/11
75-27-4	Bromodichloromethane	ND		25	26.4	106	25.5	102	3	76-116/10
75-25-2	Bromoform	ND		25	24.7	99	24.8	99	0	68-128/11
108-90-7	Chlorobenzene	ND		25	26.3	105	26.2	105	0	87-115/9
75-00-3	Chloroethane	ND		25	29.0	116	27.3	109	6	54-166/20
67-66-3	Chloroform	ND		25	28.7	115	28.1	112	2	85-123/10
75-15-0	Carbon disulfide	ND		25	28.4	114	25.9	104	9	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	27.9	112	27.3	109	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.1	108	26.3	105	3	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	26.3	105	25.5	102	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.9	108	25.4	102	6	81-120/11
124-48-1	Dibromochloromethane	ND		25	23.7	95	24.5	98	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	23.1	92	23.4	94	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.7	95	23.1	92	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	24.7	99	25.1	100	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.6	106	26.9	108	1	87-123/10
100-41-4	Ethylbenzene	ND		25	25.1	100	24.6	98	2	87-118/10
591-78-6	2-Hexanone	ND		125	110	88	109	87	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	124	99	119	95	4	62-125/13
74-83-9	Methyl bromide	ND		25	25.9	104	23.8	95	8	55-151/21
74-87-3	Methyl chloride	ND		25	31.9	128	31.0	124	3	55-173/22
75-09-2	Methylene chloride	ND		25	25.1	100	23.1	92	8	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	112	90	106	85	6	61-127/13
100-42-5	Styrene	ND		25	24.4	98	24.6	98	1	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.9	108	25.9	104	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	25.5	102	25.1	100	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.6	98	24.1	96	2	80-114/11
127-18-4	Tetrachloroethylene	ND		25	28.9	116	29.0	116	0	80-131/12
108-88-3	Toluene	ND		25	24.0	96	24.1	96	0	86-116/10
79-01-6	Trichloroethylene	ND		25	24.4	98	23.4	94	4	85-124/10
75-01-4	Vinyl chloride	ND		25	27.0	108	26.7	107	1	57-153/22
1330-20-7	Xylene (total)	ND		75	73.9	99	73.0	97	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61077-15MS	M0031116.D	1	11/05/08	MM	n/a	n/a	VM1278
F61077-15MSD	M0031117.D	1	11/05/08	MM	n/a	n/a	VM1278
F61077-15	M0031114.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5

CAS No.	Surrogate Recoveries	MS	MSD	F61077-15	Limits
1868-53-7	Dibromofluoromethane	103%	103%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	107%	76-127%
2037-26-5	Toluene-D8	94%	97%	95%	86-112%
460-00-4	4-Bromofluorobenzene	98%	101%	98%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61044-7MS	C059019.D	20	11/05/08	LD	n/a	n/a	VC2394
F61044-7MSD	C059020.D	20	11/05/08	LD	n/a	n/a	VC2394
F61044-7	C059016.D	10	11/05/08	LD	n/a	n/a	VC2394
F61044-7	C059018.D	20	11/05/08	LD	n/a	n/a	VC2394

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-13, F61107-15, F61107-16, F61107-20

CAS No.	Compound	F61044-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2500	1240	50*	1420	57*	14	59-134/14
71-43-2	Benzene	ND		500	459	92	470	94	2	83-124/11
75-27-4	Bromodichloromethane	ND		500	467	93	463	93	1	76-116/10
75-25-2	Bromoform	ND		500	523	105	531	106	2	68-128/11
108-90-7	Chlorobenzene	ND		500	493	99	508	102	3	87-115/9
75-00-3	Chloroethane	ND		500	470	94	541	108	14	54-166/20
67-66-3	Chloroform	ND		500	510	102	513	103	1	85-123/10
75-15-0	Carbon disulfide	ND		500	494	99	520	104	5	67-147/12
56-23-5	Carbon tetrachloride	ND		500	549	110	563	113	3	74-139/13
75-34-3	1,1-Dichloroethane	ND		500	506	101	522	104	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		500	524	105	564	113	7	75-133/13
107-06-2	1,2-Dichloroethane	ND		500	500	100	498	100	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		500	437	87	437	87	0	81-120/11
124-48-1	Dibromochloromethane	ND		500	522	104	524	105	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		500	425	85	446	89	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		500	456	91	459	92	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		500	503	101	520	104	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		500	551	110	558	112	1	87-123/10
100-41-4	Ethylbenzene	ND		500	520	104	537	107	3	87-118/10
591-78-6	2-Hexanone	ND		2500	2300	92	2300	92	0	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		2500	2610	104	2570	103	2	62-125/13
74-83-9	Methyl bromide	ND		500	428	86	497	99	15	55-151/21
74-87-3	Methyl chloride	ND		500	483	97	549	110	13	55-173/22
75-09-2	Methylene chloride	ND		500	535	107	527	105	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		2500	1770	71	1840	74	4	61-127/13
100-42-5	Styrene	ND		500	493	99	482	96	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		500	553	111	554	111	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	522	104	506	101	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		500	483	97	482	96	0	80-114/11
127-18-4	Tetrachloroethylene	1120	a	500	1520	80	1530	82	1	80-131/12
108-88-3	Toluene	ND		500	525	105	509	102	3	86-116/10
79-01-6	Trichloroethylene	ND		500	468	94	464	93	1	85-124/10
75-01-4	Vinyl chloride	ND		500	426	85	475	95	11	57-153/22
1330-20-7	Xylene (total)	ND		1500	1620	108	1610	107	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61044-7MS	C059019.D	20	11/05/08	LD	n/a	n/a	VC2394
F61044-7MSD	C059020.D	20	11/05/08	LD	n/a	n/a	VC2394
F61044-7	C059016.D	10	11/05/08	LD	n/a	n/a	VC2394
F61044-7	C059018.D	20	11/05/08	LD	n/a	n/a	VC2394

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-13, F61107-15, F61107-16, F61107-20

CAS No.	Surrogate Recoveries	MS	MSD	F61044-7	F61044-7	Limits
1868-53-7	Dibromofluoromethane	104%	107%	104%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	115%	114%	112%	112%	76-127%
2037-26-5	Toluene-D8	105%	104%	110%	108%	86-112%
460-00-4	4-Bromofluorobenzene	98%	93%	104%	106%	84-120%

(a) Result is from Run #2.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61241-3MS	M0031144.D	1	11/06/08	MM	n/a	n/a	VM1279
F61241-3MSD	M0031145.D	1	11/06/08	MM	n/a	n/a	VM1279
F61241-3	M0031142.D	1	11/06/08	MM	n/a	n/a	VM1279

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-6

CAS No.	Compound	F61241-3 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	117	94	3	59-134/14
71-43-2	Benzene	ND		25	25.2	101	24.7	99	2	83-124/11
75-27-4	Bromodichloromethane	ND		25	26.3	105	26.0	104	1	76-116/10
75-25-2	Bromoform	ND		25	22.1	88	22.9	92	4	68-128/11
108-90-7	Chlorobenzene	ND		25	26.3	105	26.3	105	0	87-115/9
75-00-3	Chloroethane	ND		25	23.4	94	22.9	92	2	54-166/20
67-66-3	Chloroform	ND		25	29.8	119	29.1	116	2	85-123/10
75-15-0	Carbon disulfide	ND		25	23.9	96	22.8	91	5	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.9	108	29.0	116	8	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.6	114	26.6	106	7	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	25.0	100	24.1	96	4	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	27.0	108	26.8	107	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.3	97	23.2	93	5	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.2	97	24.4	98	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.5	98	24.1	96	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	21.6	86	20.8	83	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.2	105	25.1	100	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.5	102	24.9	100	2	87-123/10
100-41-4	Ethylbenzene	ND		25	24.8	99	24.1	96	3	87-118/10
591-78-6	2-Hexanone	ND		125	98.3	79	99.4	80	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	111	89	111	89	0	62-125/13
74-83-9	Methyl bromide	ND		25	21.0	84	21.5	86	2	55-151/21
74-87-3	Methyl chloride	ND		25	28.0	112	26.8	107	4	55-173/22
75-09-2	Methylene chloride	ND		25	24.0	96	23.2	93	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	96.5	77	98.9	79	2	61-127/13
100-42-5	Styrene	ND		25	25.0	100	24.7	99	1	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	30.1	120	28.5	114	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	27.1	108	26.5	106	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.0	96	23.3	93	3	80-114/11
127-18-4	Tetrachloroethylene	ND		25	30.7	123	29.4	118	4	80-131/12
108-88-3	Toluene	ND		25	24.9	100	24.1	96	3	86-116/10
79-01-6	Trichloroethylene	ND		25	24.2	97	22.8	91	6	85-124/10
75-01-4	Vinyl chloride	ND		25	21.5	86	21.4	86	0	57-153/22
1330-20-7	Xylene (total)	ND		75	73.8	98	72.7	97	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61241-3MS	M0031144.D	1	11/06/08	MM	n/a	n/a	VM1279
F61241-3MSD	M0031145.D	1	11/06/08	MM	n/a	n/a	VM1279
F61241-3	M0031142.D	1	11/06/08	MM	n/a	n/a	VM1279

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-6

CAS No.	Surrogate Recoveries	MS	MSD	F61241-3	Limits
1868-53-7	Dibromofluoromethane	111%	111%	116%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	104%	110%	76-127%
2037-26-5	Toluene-D8	94%	94%	96%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61089-8MS	B056624.D	1	11/06/08	LD	n/a	n/a	VB2372
F61089-8MSD	B056625.D	1	11/06/08	LD	n/a	n/a	VB2372
F61089-8	B056612.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-17

CAS No.	Compound	F61089-8 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	69.4	56*	68.2	55*	2	59-134/14
71-43-2	Benzene	1.0	U	25	24.8	99	22.9	92	8	83-124/11
75-27-4	Bromodichloromethane	1.0	U	25	21.8	87	20.4	82	7	76-116/10
75-25-2	Bromoform	1.0	U	25	19.7	79	19.1	76	3	68-128/11
108-90-7	Chlorobenzene	1.0	U	25	25.4	102	24.0	96	6	87-115/9
75-00-3	Chloroethane	2.0	U	25	28.0	112	26.5	106	6	54-166/20
67-66-3	Chloroform	1.0	U	25	24.8	99	23.0	92	8	85-123/10
75-15-0	Carbon disulfide	2.0	U	25	24.6	98	23.2	93	6	67-147/12
56-23-5	Carbon tetrachloride	1.0	U	25	26.6	106	25.1	100	6	74-139/13
75-34-3	1,1-Dichloroethane	1.0	U	25	26.7	107	24.7	99	8	82-127/10
75-35-4	1,1-Dichloroethylene	1.0	U	25	25.8	103	22.5	90	14*	75-133/13
107-06-2	1,2-Dichloroethane	1.0	U	25	21.6	86	21.0	84	3	76-122/11
78-87-5	1,2-Dichloropropane	1.0	U	25	23.9	96	22.3	89	7	81-120/11
124-48-1	Dibromochloromethane	1.0	U	25	22.5	90	21.4	86	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	23.3	93	21.9	88	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	22.5	90	21.7	87	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	26.7	107	24.7	99	8	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	24.7	99	23.4	94	5	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	26.5	106	24.6	98	7	87-118/10
591-78-6	2-Hexanone	10	U	125	81.2	65	80.6	64	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0	U	125	84.4	68	85.2	68	1	62-125/13
74-83-9	Methyl bromide	2.0	U	25	25.2	101	23.0	92	9	55-151/21
74-87-3	Methyl chloride	2.0	U	25	25.7	103	24.4	98	5	55-173/22
75-09-2	Methylene chloride	5.0	U	25	22.7	91	21.4	86	6	69-125/11
78-93-3	Methyl ethyl ketone	5.0	U	125	69.6	56*	72.4	58*	4	61-127/13
100-42-5	Styrene	1.0	U	25	23.0	92	21.2	85	8	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0	U	25	27.3	109	25.3	101	8	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	20.9	84	20.7	83	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0	U	25	21.7	87	21.1	84	3	80-114/11
127-18-4	Tetrachloroethylene	1.0	U	25	24.0	96	21.9	88	9	80-131/12
108-88-3	Toluene	1.0	U	25	26.2	105	24.0	96	9	86-116/10
79-01-6	Trichloroethylene	1.0	U	25	23.4	94	22.1	88	6	85-124/10
75-01-4	Vinyl chloride	1.0	U	25	23.9	96	22.6	90	6	57-153/22
1330-20-7	Xylene (total)	3.0	U	75	79.5	106	73.7	98	8	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61089-8MS	B056624.D	1	11/06/08	LD	n/a	n/a	VB2372
F61089-8MSD	B056625.D	1	11/06/08	LD	n/a	n/a	VB2372
F61089-8	B056612.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-17

CAS No.	Surrogate Recoveries	MS	MSD	F61089-8	Limits
1868-53-7	Dibromofluoromethane	101%	102%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	106%	105%	76-127%
2037-26-5	Toluene-D8	106%	104%	103%	86-112%
460-00-4	4-Bromofluorobenzene	101%	102%	105%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61113-1MS	F031825.D	1	11/06/08	AJ	n/a	n/a	VF794
F61113-1MSD	F031826.D	1	11/06/08	AJ	n/a	n/a	VF794
F61113-1	F031820.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-8, F61107-10, F61107-11

CAS No.	Compound	F61113-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	80.0	64	78.3	63	2	59-134/14
71-43-2	Benzene	ND		25	25.9	104	24.9	100	4	83-124/11
75-27-4	Bromodichloromethane	ND		25	24.6	98	23.2	93	6	76-116/10
75-25-2	Bromoform	ND		25	24.7	99	24.8	99	0	68-128/11
108-90-7	Chlorobenzene	ND		25	25.3	101	25.0	100	1	87-115/9
75-00-3	Chloroethane	ND		25	25.7	103	23.8	95	8	54-166/20
67-66-3	Chloroform	ND		25	27.2	109	26.0	104	5	85-123/10
75-15-0	Carbon disulfide	ND		25	22.2	89	21.2	85	5	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.9	108	24.9	100	8	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.2	113	27.1	108	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	24.6	98	22.4	90	9	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.1	100	23.9	96	5	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.4	102	24.1	96	5	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.0	96	23.2	93	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.1	104	25.8	103	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.2	101	23.9	96	5	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.0	108	25.6	102	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	27.0	108	25.7	103	5	87-123/10
100-41-4	Ethylbenzene	ND		25	26.3	105	25.5	102	3	87-118/10
591-78-6	2-Hexanone	ND		125	152	122	147	118	3	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	164	131*	160	128*	2	62-125/13
74-83-9	Methyl bromide	ND		25	24.7	99	22.6	90	9	55-151/21
74-87-3	Methyl chloride	ND		25	23.9	96	23.1	92	3	55-173/22
75-09-2	Methylene chloride	ND		25	27.9	112	27.3	109	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	111	89	108	86	3	61-127/13
100-42-5	Styrene	ND		25	23.4	94	23.3	93	0	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.8	107	25.4	102	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.6	106	26.3	105	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.5	98	23.5	94	4	80-114/11
127-18-4	Tetrachloroethylene	ND		25	24.5	98	22.8	91	7	80-131/12
108-88-3	Toluene	ND		25	25.8	103	23.9	96	8	86-116/10
79-01-6	Trichloroethylene	ND		25	25.5	102	24.1	96	6	85-124/10
75-01-4	Vinyl chloride	ND		25	25.1	100	21.3	85	16	57-153/22
1330-20-7	Xylene (total)	ND		75	78.9	105	75.7	101	4	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61113-1MS	F031825.D	1	11/06/08	AJ	n/a	n/a	VF794
F61113-1MSD	F031826.D	1	11/06/08	AJ	n/a	n/a	VF794
F61113-1	F031820.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-8, F61107-10, F61107-11

CAS No.	Surrogate Recoveries	MS	MSD	F61113-1	Limits
1868-53-7	Dibromofluoromethane	104%	104%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	101%	99%	76-127%
2037-26-5	Toluene-D8	96%	93%	97%	86-112%
460-00-4	4-Bromofluorobenzene	97%	97%	101%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61293-8MS	F031868.D	1	11/07/08	AJ	n/a	n/a	VF795
F61293-8MSD	F031869.D	1	11/07/08	AJ	n/a	n/a	VF795
F61293-8 [a]	F031865.D	1	11/07/08	AJ	n/a	n/a	VF795

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61107-8, F61107-10

CAS No.	Compound	F61293-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2.2		25	27.8	102	27.4	101	1	83-124/11
75-09-2	Methylene chloride	ND		25	27.1	108	26.4	106	3	69-125/11

CAS No.	Surrogate Recoveries	MS	MSD	F61293-8	Limits
1868-53-7	Dibromofluoromethane	100%	100%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	100%	101%	76-127%
2037-26-5	Toluene-D8	97%	97%	98%	86-112%
460-00-4	4-Bromofluorobenzene	97%	100%	98%	84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26996-MB	AA046062.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854

The QC reported here applies to the following samples: **Method:** EPA 610

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5, F61107-6, F61107-7, F61107-8, F61107-9, F61107-10, F61107-11, F61107-12, F61107-13, F61107-14, F61107-15, F61107-16, F61107-17, F61107-18, F61107-19

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	91%	43-121%
92-94-4	p-Terphenyl	91%	30-122%

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26996-MB	EE058691.D	1	11/03/08	FEA	10/30/08	OP26996	GEE2142

The QC reported here applies to the following samples: **Method:** EPA 610

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5, F61107-6, F61107-7, F61107-8, F61107-9, F61107-10, F61107-11, F61107-12, F61107-13, F61107-14, F61107-15, F61107-16, F61107-17, F61107-18, F61107-19

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	43-121%
92-94-4	p-Terphenyl	88%	30-122%

Method Blank Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26996-MB	EE058753.D	1	11/04/08	FEA	10/30/08	OP26996	GEE2143

The QC reported here applies to the following samples: **Method:** EPA 610

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5, F61107-6, F61107-7, F61107-8, F61107-9, F61107-10, F61107-11, F61107-12, F61107-13, F61107-14, F61107-15, F61107-16, F61107-17, F61107-18, F61107-19

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	43-121%
92-94-4	p-Terphenyl	89%	30-122%

Blank Spike Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26996-BS	AA046061.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854

The QC reported here applies to the following samples: **Method:** EPA 610

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5, F61107-6, F61107-7, F61107-8, F61107-9, F61107-10, F61107-11, F61107-12, F61107-13, F61107-14, F61107-15, F61107-16, F61107-17, F61107-18, F61107-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	18.9	95	60-102
208-96-8	Acenaphthylene	20	19.8	99	66-108
120-12-7	Anthracene	10	9.4	94	64-107
56-55-3	Benzo(a)anthracene	10	9.8	98	70-108
50-32-8	Benzo(a)pyrene	10	9.6	96	72-115
205-99-2	Benzo(b)fluoranthene	10	10.0	100	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.8	98	69-113
207-08-9	Benzo(k)fluoranthene	10	9.9	99	70-111
218-01-9	Chrysene	10	10	100	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.8	98	71-114
206-44-0	Fluoranthene	20	19.2	96	68-110
86-73-7	Fluorene	20	19.0	95	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.5	95	69-110
91-20-3	Naphthalene	20	16.7	84	55-94
90-12-0	1-Methylnaphthalene	20	17.7	89	55-97
91-57-6	2-Methylnaphthalene	20	17.2	86	51-97
85-01-8	Phenanthrene	20	19.5	98	67-108
129-00-0	Pyrene	20	19.8	99	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	97%	43-121%
92-94-4	p-Terphenyl	93%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61107
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP26996-MS	AA046075.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
OP26996-MSD	AA046076.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854
F61107-10 [a]	AA046074.D	1	10/31/08	MRE	10/30/08	OP26996	GAA1854

The QC reported here applies to the following samples: **Method:** EPA 610

F61107-1, F61107-2, F61107-3, F61107-4, F61107-5, F61107-6, F61107-7, F61107-8, F61107-9, F61107-10, F61107-11, F61107-12, F61107-13, F61107-14, F61107-15, F61107-16, F61107-17, F61107-18, F61107-19

CAS No.	Compound	F61107-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	12.4		38.5	48.4	94	45.8	87	6	60-102/33
208-96-8	Acenaphthylene	ND		38.5	40.2	105	36.7	95	9	66-108/32
120-12-7	Anthracene	ND		19.2	18.4	96	17.6	92	4	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.7	102	19.3	100	2	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	19.2	100	18.9	98	2	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	20.2	105	19.9	103	1	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	19.7	102	19.4	101	2	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.9	103	19.6	102	2	70-111/21
218-01-9	Chrysene	ND		19.2	21.9	114*	21.6	112*	1	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	19.8	103	19.5	101	2	71-114/23
206-44-0	Fluoranthene	ND		38.5	38.0	99	36.7	95	3	68-110/17
86-73-7	Fluorene	6.0		38.5	41.8	93	39.8	88	5	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	19.1	99	18.7	97	2	69-110/22
91-20-3	Naphthalene	8.0		38.5	37.2	76	37.0	75	1	55-94/28
90-12-0	1-Methylnaphthalene	12.3		38.5	44.9	85	44.3	83	1	55-97/29
91-57-6	2-Methylnaphthalene	11.0		38.5	42.2	81	41.4	79	2	51-97/25
85-01-8	Phenanthrene	ND		38.5	37.5	97	35.9	93	4	67-108/22
129-00-0	Pyrene	ND		38.5	39.4	102	38.2	99	3	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61107-10	Limits
84-15-1	o-Terphenyl	93%	89%	91%	43-121%
92-94-4	p-Terphenyl	98%	94%	93%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/17/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61131

Sampling Date: 10/24/08

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **109**

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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.

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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F61131

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61131-1	10/24/08	09:15	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW39
F61131-2	10/24/08	13:40	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW43
F61131-3	10/24/08	11:30	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW44
F61131-4	10/24/08	11:30	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW44D
F61131-5	10/24/08	10:45	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW45
F61131-6	10/24/08	10:00	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW46
F61131-7	10/24/08	10:20	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW47
F61131-8	10/24/08	09:10	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW48
F61131-9	10/24/08	09:20	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW49
F61131-10	10/24/08	09:50	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW50
F61131-11	10/24/08	11:30	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW73
F61131-12	10/24/08	11:30	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW73D
F61131-13	10/24/08	10:40	JC	10/25/08	AQ	Ground Water	USTHPFFC-MW74

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Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F61131

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61131-14	10/24/08	14:15	JC	10/25/08	AQ	Ground Water	UST1115-MW02
F61131-15	10/24/08	14:35	JC	10/25/08	AQ	Ground Water	UST1115-MW21
F61131-16	10/24/08	14:05	JC	10/25/08	AQ	Ground Water	UST1115-MW24
F61131-17	10/24/08	11:50	JC	10/25/08	AQ	Ground Water	IR78-GW13
F61131-18	10/24/08	00:00	JC	10/25/08	AQ	Trip Blank Water	TRIP BLANK-102408
F61131-19	10/24/08	08:40	JC	10/25/08	AQ	Ground Water	USTHPFF-MW02

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW39		
Lab Sample ID:	F61131-1	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031082.D	1	11/04/08	MM	n/a	n/a	VM1277
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61131-1	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	103%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW39		
Lab Sample ID:	F61131-1	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046153.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		43-121%
92-94-4	p-Terphenyl	68%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-2	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031122.D	1	11/05/08	MM	n/a	n/a	VM1278
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW43		
Lab Sample ID:	F61131-2	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW43		
Lab Sample ID:	F61131-2	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046154.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		43-121%
92-94-4	p-Terphenyl	54%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-3	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031121.D	1	11/05/08	MM	n/a	n/a	VM1278
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW44		
Lab Sample ID:	F61131-3	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	107%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW44		
Lab Sample ID:	F61131-3	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046155.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		43-121%
92-94-4	p-Terphenyl	77%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW44D		
Lab Sample ID:	F61131-4	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059069.D	1	11/07/08	LD	n/a	n/a	VC2396
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW44D		
Lab Sample ID:	F61131-4	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	108%		76-127%
2037-26-5	Toluene-D8	110%		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-MW44D		
Lab Sample ID:	F61131-4	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046156.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		43-121%
92-94-4	p-Terphenyl	88%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW45		
Lab Sample ID:	F61131-5	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059070.D	10	11/07/08	LD	n/a	n/a	VC2396
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	614	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	25.0	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	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	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	ND	10	3.5	ug/l	
79-01-6	Trichloroethylene	39.5	10	3.2	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-MW45		
Lab Sample ID:	F61131-5	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	3.0	ug/l	
1330-20-7	Xylene (total)	ND	30	12	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	110%		76-127%
2037-26-5	Toluene-D8	110%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW45		
Lab Sample ID:	F61131-5	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046157.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		43-121%
92-94-4	p-Terphenyl	84%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW46		
Lab Sample ID:	F61131-6	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059071.D	1	11/07/08	LD	n/a	n/a	VC2396
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW46		
Lab Sample ID:	F61131-6	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		76-127%
2037-26-5	Toluene-D8	108%		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-MW46		
Lab Sample ID:	F61131-6	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046163.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		43-121%
92-94-4	p-Terphenyl	91%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-7	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F031830.D	10	11/06/08	AJ	n/a	n/a	VF794
Run #2	F031866.D	500	11/07/08	AJ	n/a	n/a	VF795

	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	1140 [a]	500	200	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	26.6	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	11.9	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	56.3	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	43.1	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride [b]	8.5	20	6.1	ug/l	J
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	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	10.9	10	2.2	ug/l	
108-88-3	Toluene	ND	10	3.5	ug/l	
79-01-6	Trichloroethylene	223	10	3.2	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:	F61131-7	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	3.0	ug/l	
1330-20-7	Xylene (total)	ND	30	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	103%	76-127%
2037-26-5	Toluene-D8	99%	96%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	84-120%

(a) Result is from Run# 2
(b) 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-MW47		
Lab Sample ID:	F61131-7	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046158.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	3.0	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		43-121%
92-94-4	p-Terphenyl	90%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-8	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F031827.D	1	11/06/08	AJ	n/a	n/a	VF794
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61131-8	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW48		
Lab Sample ID:	F61131-8	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046164.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		43-121%
92-94-4	p-Terphenyl	66%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW49		
Lab Sample ID:	F61131-9	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F031829.D	1	11/06/08	AJ	n/a	n/a	VF794
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.4	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.39	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	1.4	1.0	0.32	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-MW49		
Lab Sample ID:	F61131-9	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW49		
Lab Sample ID:	F61131-9	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046165.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		43-121%
92-94-4	p-Terphenyl	98%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-10	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F031828.D	1	11/06/08	AJ	n/a	n/a	VF794
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61131-10	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW50		
Lab Sample ID:	F61131-10	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046166.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		43-121%
92-94-4	p-Terphenyl	96%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-11	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056657.D	1	11/07/08	LD	n/a	n/a	VB2373
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	1.1	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.46	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61131-11	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	107%		76-127%
2037-26-5	Toluene-D8	105%		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-MW73		
Lab Sample ID:	F61131-11	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046167.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		43-121%
92-94-4	p-Terphenyl	83%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW73D		
Lab Sample ID:	F61131-12	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052199.D	1	11/06/08	MM	n/a	n/a	VH1942
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	1.1	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.7	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW73D		
Lab Sample ID:	F61131-12	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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-MW73D		
Lab Sample ID:	F61131-12	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046168.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		43-121%
92-94-4	p-Terphenyl	79%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-13	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056658.D	1	11/07/08	LD	n/a	n/a	VB2373
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61131-13	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	108%		76-127%
2037-26-5	Toluene-D8	105%		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-MW74		
Lab Sample ID:	F61131-13	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046169.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	1.2	1.9	0.95	ug/l	J
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		43-121%
92-94-4	p-Terphenyl	78%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-14	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052201.D	1	11/06/08	MM	n/a	n/a	VH1942
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61131-14	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	101%		76-127%
2037-26-5	Toluene-D8	94%		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-MW02		
Lab Sample ID:	F61131-14	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046170.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		43-121%
92-94-4	p-Terphenyl	65%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-15	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052202.D	1	11/06/08	MM	n/a	n/a	VH1942
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61131-15	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	103%		76-127%
2037-26-5	Toluene-D8	91%		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:	UST1115-MW21		
Lab Sample ID:	F61131-15	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046171.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		43-121%
92-94-4	p-Terphenyl	70%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61131-16	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052203.D	1	11/06/08	MM	n/a	n/a	VH1942
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	0.50	1.0	0.34	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.67	1.0	0.32	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-MW24		
Lab Sample ID:	F61131-16	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	101%		76-127%
2037-26-5	Toluene-D8	94%		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 Laboratories

Report of Analysis

Client Sample ID:	UST1115-MW24		
Lab Sample ID:	F61131-16	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046172.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		43-121%
92-94-4	p-Terphenyl	95%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW13		
Lab Sample ID:	F61131-17	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052204.D	1	11/06/08	MM	n/a	n/a	VH1942
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	4.8	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	2.0	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW13		
Lab Sample ID:	F61131-17	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	101%		76-127%
2037-26-5	Toluene-D8	96%		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 Laboratories

Report of Analysis

Client Sample ID:	IR78-GW13		
Lab Sample ID:	F61131-17	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046175.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		43-121%
92-94-4	p-Terphenyl	68%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-102408
Lab Sample ID: F61131-18
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/24/08
Date Received: 10/25/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052205.D	1	11/06/08	MM	n/a	n/a	VH1942
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-102408		
Lab Sample ID:	F61131-18	**Date Sampled:**	10/24/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/25/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	94%		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:	USTHPFF-MW02		
Lab Sample ID:	F61131-19	**Date Sampled:**	10/24/08
Matrix:	AQ - Ground Water	**Date Received:**	10/25/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046176.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2 [a]	EE058807.D	10	11/06/08	FEA	10/31/08	OP27002	GEE2145

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND [b]	19	9.5	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	567 [b]	19	9.5	ug/l	
90-12-0	1-Methylnaphthalene	57.5 [b]	19	4.8	ug/l	
91-57-6	2-Methylnaphthalene	135 [b]	19	4.8	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	112%	99%	43-121%
92-94-4	p-Terphenyl	93%	78%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

COC Number:
125709-HPFF-102408-1

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD F61131

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	
Client Rep	**Project Manager**	
US NAVY - LANTDIV	Joe Colella	

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610
1	USTHPFFC-MW39	10/24/08	9:15		X	USTHPFFC-MW39	5	X	X
2	USTHPFFC-MW43	10/24/08	13:40		X	USTHPFFC-MW43	5	X	X
3	USTHPFFC-MW44	10/24/08	11:30		X	USTHPFFC-MW44	5	X	X
4	USTHPFFC-MW44D	10/24/08	11:30		X	USTHPFFC-MW44D	5	X	X
5	USTHPFFC-MW45	10/24/08	10:45		X	USTHPFFC-MW45	5	X	X
6	USTHPFFC-MW46	10/24/08	10:00		X	USTHPFFC-MW46	5	X	X
7	USTHPFFC-MW47	10/24/08	10:20		X	USTHPFFC-MW47	5	X	X
8	USTHPFFC-MW48	10/24/08	9:10		X	USTHPFFC-MW48	5	X	X
9	USTHPFFC-MW49	10/24/08	9:20		X	USTHPFFC-MW49	5	X	X
10	USTHPFFC-MW50	10/24/08	9:50		X	USTHPFFC-MW50	5	X	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 10		FedEx	10/24/08	17:00
2		FX	J FEDEX	10-25-08	09:30
3					

Remarks

14 Day TAT

FedEx 8668 3649 8373, 8668 3649 8384, 8668 3649 8395, 8668 3649 8400, 8668 3649 8410

1.8 2.4 1.0 1.2 2.0

F61131: Chain of Custody
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COC Number:
125709-HPFF-102408-2

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD F61131

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin		US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610	Analysis Desired
11	USTHPFFC-MW73	10/24/08	11:30		X	USTHPFFC-MW73	5	X	X	
12	USTHPFFC-MW73D	10/24/08	11:30		X	USTHPFFC-MW73D	5	X	X	
13	USTHPFFC-MW74	10/24/08	10:40		X	USTHPFFC-MW74	5	X	X	
14	UST1115-MW02	10/24/08	14:15		X	UST1115-MW02	5	X	X	
15	UST1115-MW21	10/24/08	14:35		X	UST1115-MW21	5	X	X	
16	UST1115-MW24	10/24/08	14:05		X	UST1115-MW24	5	X	X	
17	IR78-GW13	10/24/08	11:50		X	IR78-GW13	5	X	X	
18	TripBlank-102408	10/24/08	—		X	Trip Blank	5	X	X	
9										
10										

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 8	[signature]	FedEx	10/24/08	17:00	14 Day TAT
2		FX	[signature]	10-25-08	09:30	FedEx 8668 3649 8373, 8668 3649 8384, 8668 3649 8395, 8668 3649 8400, 8668 3649 8410
3						

COC Number:
125709-HPFF-102408-3

Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD F61131

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	

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610	
19	USTHPFF-MW02	10/24/08	8:40		X	USTHPFF-MW02	2		X	Replacement for Broken Containers
2										
3										
4										
5										
6										
7										
8										
9										
10										

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1		FedEx	10/24/08	17:00
2		Fx	J. Conne	10-25-08	0930
3					

Remarks

14 Day TAT

FedEx 8668 3649 8318, 8668 3649 8329, 8668 3649 8330, 8668 3649 8340, 86683649 8351, 8668 3649 8362

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61131 CLIENT: SHAW PROJECT: CAMP LEJEUNE-HPFF

DATE/TIME RECEIVED: 10-25-08 09:30 # OF COOLERS RECEIVED: 5 COOLER TEMPS: 1.8 2.4 1.0 1.2 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3649 8400

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
- [ ] 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 ? ____

NUMBER OF 5035 FIELD KITS ? ____

NUMBER OF LAB FILTERED METALS ? ____

SUMMARY OF COMMENTS: FOR SAMPLE #17 COC reads 11:50 LABELS 1:50

SEE COC FOR TIMES.

RECEIVED 2 EXTRA AMBER (625) WITH ID USTHPFF-MW02 10-24-08 @ 08:40

TECHNICIAN SIGNATURE/DATE: [illegible] 10-25-08 TECHNICIAN SIGNATURE/DATE: [illegible] 10-27-08 ASBD 12/17/07

F61131: Chain of Custody
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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: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1277-MB	M0031080.D	1	11/04/08	MM	n/a	n/a	VM1277

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1277-MB	M0031080.D	1	11/04/08	MM	n/a	n/a	VM1277

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	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	108%	84-120%

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1278-MB	M0031102.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-2, F61131-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1278-MB	M0031102.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-2, F61131-3

CAS No.	Surrogate Recoveries		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	106%	84-120%

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1942-MB	H052194.D	1	11/06/08	MM	n/a	n/a	VH1942

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-12, F61131-14, F61131-15, F61131-16, F61131-17, F61131-18

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1942-MB	H052194.D	1	11/06/08	MM	n/a	n/a	VH1942

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-12, F61131-14, F61131-15, F61131-16, F61131-17, F61131-18

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF794-MB	F031816.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-7, F61131-8, F61131-9, F61131-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF794-MB	F031816.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-7, F61131-8, F61131-9, F61131-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2396-MB	C059057.D	1	11/07/08	LD	n/a	n/a	VC2396

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-4, F61131-5, F61131-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2396-MB	C059057.D	1	11/07/08	LD	n/a	n/a	VC2396

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-4, F61131-5, F61131-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	111%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2373-MB	B056637.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-11, F61131-13

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2373-MB	B056637.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-11, F61131-13

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	104%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF795-MB	F031858.D	1	11/07/08	AJ	n/a	n/a	VF795

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.40	ug/l	

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	97%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1277-BS	M0031079.D	1	11/04/08	MM	n/a	n/a	VM1277

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	106	85	59-134
71-43-2	Benzene	25	25.6	102	83-124
75-27-4	Bromodichloromethane	25	26.5	106	76-116
75-25-2	Bromoform	25	26.9	108	68-128
108-90-7	Chlorobenzene	25	27.2	109	87-115
75-00-3	Chloroethane	25	23.1	92	54-166
67-66-3	Chloroform	25	28.6	114	85-123
75-15-0	Carbon disulfide	25	25.6	102	67-147
56-23-5	Carbon tetrachloride	25	27.8	111	74-139
75-34-3	1,1-Dichloroethane	25	27.6	110	82-127
75-35-4	1,1-Dichloroethylene	25	26.2	105	75-133
107-06-2	1,2-Dichloroethane	25	24.8	99	76-122
78-87-5	1,2-Dichloropropane	25	25.5	102	81-120
124-48-1	Dibromochloromethane	25	27.6	110	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.1	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.5	102	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.8	99	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.3	117	87-123
100-41-4	Ethylbenzene	25	26.1	104	87-118
591-78-6	2-Hexanone	125	98.9	79	58-125
108-10-1	4-Methyl-2-pentanone	125	111	89	62-125
74-83-9	Methyl bromide	25	22.7	91	55-151
74-87-3	Methyl chloride	25	31.2	125	55-173
75-09-2	Methylene chloride	25	20.6	82	69-125
78-93-3	Methyl ethyl ketone	125	98.1	78	61-127
100-42-5	Styrene	25	27.0	108	78-118
71-55-6	1,1,1-Trichloroethane	25	28.0	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.8	103	71-120
79-00-5	1,1,2-Trichloroethane	25	25.8	103	80-114
127-18-4	Tetrachloroethylene	25	30.0	120	80-131
108-88-3	Toluene	25	26.5	106	86-116
79-01-6	Trichloroethylene	25	24.5	98	85-124
75-01-4	Vinyl chloride	25	26.4	106	57-153
1330-20-7	Xylene (total)	75	81.2	108	86-120

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1277-BS	M0031079.D	1	11/04/08	MM	n/a	n/a	VM1277

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-1

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	101%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1278-BS	M0031101.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-2, F61131-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	147	118	59-134
71-43-2	Benzene	25	26.4	106	83-124
75-27-4	Bromodichloromethane	25	26.9	108	76-116
75-25-2	Bromoform	25	25.1	100	68-128
108-90-7	Chlorobenzene	25	26.5	106	87-115
75-00-3	Chloroethane	25	26.4	106	54-166
67-66-3	Chloroform	25	29.2	117	85-123
75-15-0	Carbon disulfide	25	26.0	104	67-147
56-23-5	Carbon tetrachloride	25	28.5	114	74-139
75-34-3	1,1-Dichloroethane	25	29.1	116	82-127
75-35-4	1,1-Dichloroethylene	25	27.0	108	75-133
107-06-2	1,2-Dichloroethane	25	26.2	105	76-122
78-87-5	1,2-Dichloropropane	25	27.0	108	81-120
124-48-1	Dibromochloromethane	25	25.7	103	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.9	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.7	107	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.0	116	87-123
100-41-4	Ethylbenzene	25	26.2	105	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	23.7	95	55-151
74-87-3	Methyl chloride	25	30.0	120	55-173
75-09-2	Methylene chloride	25	23.5	94	69-125
78-93-3	Methyl ethyl ketone	125	112	90	61-127
100-42-5	Styrene	25	26.2	105	78-118
71-55-6	1,1,1-Trichloroethane	25	28.2	113	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.8	107	71-120
79-00-5	1,1,2-Trichloroethane	25	25.2	101	80-114
127-18-4	Tetrachloroethylene	25	29.5	118	80-131
108-88-3	Toluene	25	26.7	107	86-116
79-01-6	Trichloroethylene	25	24.3	97	85-124
75-01-4	Vinyl chloride	25	26.3	105	57-153
1330-20-7	Xylene (total)	75	79.4	106	86-120

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1278-BS	M0031101.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-2, F61131-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	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	105%	84-120%

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1942-BS	H052198.D	1	11/06/08	MM	n/a	n/a	VH1942

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-12, F61131-14, F61131-15, F61131-16, F61131-17, F61131-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	176	141*	59-134
71-43-2	Benzene	25	26.8	107	83-124
75-27-4	Bromodichloromethane	25	24.4	98	76-116
75-25-2	Bromoform	25	21.0	84	68-128
108-90-7	Chlorobenzene	25	24.5	98	87-115
75-00-3	Chloroethane	25	28.3	113	54-166
67-66-3	Chloroform	25	25.3	101	85-123
75-15-0	Carbon disulfide	25	22.6	90	67-147
56-23-5	Carbon tetrachloride	25	28.1	112	74-139
75-34-3	1,1-Dichloroethane	25	27.8	111	82-127
75-35-4	1,1-Dichloroethylene	25	27.2	109	75-133
107-06-2	1,2-Dichloroethane	25	25.1	100	76-122
78-87-5	1,2-Dichloropropane	25	25.9	104	81-120
124-48-1	Dibromochloromethane	25	23.6	94	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.2	101	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.9	100	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.4	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	23.5	94	87-123
100-41-4	Ethylbenzene	25	25.9	104	87-118
591-78-6	2-Hexanone	125	148	118	58-125
108-10-1	4-Methyl-2-pentanone	125	131	105	62-125
74-83-9	Methyl bromide	25	29.1	116	55-151
74-87-3	Methyl chloride	25	28.6	114	55-173
75-09-2	Methylene chloride	25	25.0	100	69-125
78-93-3	Methyl ethyl ketone	125	165	132*	61-127
100-42-5	Styrene	25	22.3	89	78-118
71-55-6	1,1,1-Trichloroethane	25	28.0	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	24.5	98	80-114
127-18-4	Tetrachloroethylene	25	26.7	107	80-131
108-88-3	Toluene	25	25.8	103	86-116
79-01-6	Trichloroethylene	25	25.1	100	85-124
75-01-4	Vinyl chloride	25	27.5	110	57-153
1330-20-7	Xylene (total)	75	76.3	102	86-120

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1942-BS	H052198.D	1	11/06/08	MM	n/a	n/a	VH1942

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-12, F61131-14, F61131-15, F61131-16, F61131-17, F61131-18

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF794-BS	F031815.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-7, F61131-8, F61131-9, F61131-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	104	83	59-134
71-43-2	Benzene	25	22.9	92	83-124
75-27-4	Bromodichloromethane	25	23.5	94	76-116
75-25-2	Bromoform	25	24.4	98	68-128
108-90-7	Chlorobenzene	25	24.4	98	87-115
75-00-3	Chloroethane	25	23.2	93	54-166
67-66-3	Chloroform	25	24.5	98	85-123
75-15-0	Carbon disulfide	25	20.6	82	67-147
56-23-5	Carbon tetrachloride	25	25.5	102	74-139
75-34-3	1,1-Dichloroethane	25	25.1	100	82-127
75-35-4	1,1-Dichloroethylene	25	16.0	64*	75-133
107-06-2	1,2-Dichloroethane	25	22.6	90	76-122
78-87-5	1,2-Dichloropropane	25	23.5	94	81-120
124-48-1	Dibromochloromethane	25	24.8	99	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.1	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.8	103	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.2	97	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.2	109	87-123
100-41-4	Ethylbenzene	25	25.2	101	87-118
591-78-6	2-Hexanone	125	112	90	58-125
108-10-1	4-Methyl-2-pentanone	125	119	95	62-125
74-83-9	Methyl bromide	25	23.2	93	55-151
74-87-3	Methyl chloride	25	19.2	77	55-173
75-09-2	Methylene chloride	25	24.2	97	69-125
78-93-3	Methyl ethyl ketone	125	121	97	61-127
100-42-5	Styrene	25	23.1	92	78-118
71-55-6	1,1,1-Trichloroethane	25	25.7	103	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.7	95	71-120
79-00-5	1,1,2-Trichloroethane	25	23.5	94	80-114
127-18-4	Tetrachloroethylene	25	26.6	106	80-131
108-88-3	Toluene	25	25.4	102	86-116
79-01-6	Trichloroethylene	25	24.4	98	85-124
75-01-4	Vinyl chloride	25	18.9	76	57-153
1330-20-7	Xylene (total)	75	76.2	102	86-120

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF794-BS	F031815.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-7, F61131-8, F61131-9, F61131-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2396-BS	C059056.D	1	11/07/08	LD	n/a	n/a	VC2396

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-4, F61131-5, F61131-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	99.8	80	59-134
71-43-2	Benzene	25	23.4	94	83-124
75-27-4	Bromodichloromethane	25	22.7	91	76-116
75-25-2	Bromoform	25	25.8	103	68-128
108-90-7	Chlorobenzene	25	25.6	102	87-115
75-00-3	Chloroethane	25	26.5	106	54-166
67-66-3	Chloroform	25	24.6	98	85-123
75-15-0	Carbon disulfide	25	26.7	107	67-147
56-23-5	Carbon tetrachloride	25	28.1	112	74-139
75-34-3	1,1-Dichloroethane	25	25.0	100	82-127
75-35-4	1,1-Dichloroethylene	25	27.6	110	75-133
107-06-2	1,2-Dichloroethane	25	23.1	92	76-122
78-87-5	1,2-Dichloropropane	25	22.5	90	81-120
124-48-1	Dibromochloromethane	25	25.7	103	74-116
156-59-2	cis-1,2-Dichloroethylene	25	22.4	90	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.3	93	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.9	100	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.5	110	87-123
100-41-4	Ethylbenzene	25	27.0	108	87-118
591-78-6	2-Hexanone	125	127	102	58-125
108-10-1	4-Methyl-2-pentanone	125	123	98	62-125
74-83-9	Methyl bromide	25	24.8	99	55-151
74-87-3	Methyl chloride	25	30.1	120	55-173
75-09-2	Methylene chloride	25	24.0	96	69-125
78-93-3	Methyl ethyl ketone	125	108	86	61-127
100-42-5	Styrene	25	24.7	99	78-118
71-55-6	1,1,1-Trichloroethane	25	27.0	108	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.6	98	71-120
79-00-5	1,1,2-Trichloroethane	25	24.5	98	80-114
127-18-4	Tetrachloroethylene	25	27.0	108	80-131
108-88-3	Toluene	25	26.5	106	86-116
79-01-6	Trichloroethylene	25	22.8	91	85-124
75-01-4	Vinyl chloride	25	26.2	105	57-153
1330-20-7	Xylene (total)	75	82.0	109	86-120

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2396-BS	C059056.D	1	11/07/08	LD	n/a	n/a	VC2396

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-4, F61131-5, F61131-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	108%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2373-BS	B056636.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-11, F61131-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	86.6	69	59-134
71-43-2	Benzene	25	26.8	107	83-124
75-27-4	Bromodichloromethane	25	23.8	95	76-116
75-25-2	Bromoform	25	20.3	81	68-128
108-90-7	Chlorobenzene	25	27.3	109	87-115
75-00-3	Chloroethane	25	31.9	128	54-166
67-66-3	Chloroform	25	27.5	110	85-123
75-15-0	Carbon disulfide	25	27.2	109	67-147
56-23-5	Carbon tetrachloride	25	29.6	118	74-139
75-34-3	1,1-Dichloroethane	25	29.6	118	82-127
75-35-4	1,1-Dichloroethylene	25	26.0	104	75-133
107-06-2	1,2-Dichloroethane	25	24.5	98	76-122
78-87-5	1,2-Dichloropropane	25	25.9	104	81-120
124-48-1	Dibromochloromethane	25	24.1	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.4	102	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.5	118	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.9	108	87-123
100-41-4	Ethylbenzene	25	28.0	112	87-118
591-78-6	2-Hexanone	125	97.3	78	58-125
108-10-1	4-Methyl-2-pentanone	125	93.9	75	62-125
74-83-9	Methyl bromide	25	29.5	118	55-151
74-87-3	Methyl chloride	25	30.4	122	55-173
75-09-2	Methylene chloride	25	27.1	108	69-125
78-93-3	Methyl ethyl ketone	125	87.4	70	61-127
100-42-5	Styrene	25	24.5	98	78-118
71-55-6	1,1,1-Trichloroethane	25	29.5	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.8	91	71-120
79-00-5	1,1,2-Trichloroethane	25	23.6	94	80-114
127-18-4	Tetrachloroethylene	25	26.1	104	80-131
108-88-3	Toluene	25	28.4	114	86-116
79-01-6	Trichloroethylene	25	25.0	100	85-124
75-01-4	Vinyl chloride	25	26.4	106	57-153
1330-20-7	Xylene (total)	75	83.9	112	86-120

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2373-BS	B056636.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-11, F61131-13

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF795-BS	F031857.D	1	11/07/08	AJ	n/a	n/a	VF795

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.9	96	83-124

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61131-1MS	M0031083.D	1	11/04/08	MM	n/a	n/a	VM1277
F61131-1MSD	M0031084.D	1	11/04/08	MM	n/a	n/a	VM1277
F61131-1	M0031082.D	1	11/04/08	MM	n/a	n/a	VM1277

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-1

CAS No.	Compound	F61131-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	114	91	118	94	3	59-134/14
71-43-2	Benzene	ND		25	25.4	102	25.3	101	0	83-124/11
75-27-4	Bromodichloromethane	ND		25	26.0	104	25.6	102	2	76-116/10
75-25-2	Bromoform	ND		25	25.7	103	26.5	106	3	68-128/11
108-90-7	Chlorobenzene	ND		25	26.7	107	26.8	107	0	87-115/9
75-00-3	Chloroethane	ND		25	27.2	109	24.5	98	10	54-166/20
67-66-3	Chloroform	ND		25	28.7	115	28.0	112	2	85-123/10
75-15-0	Carbon disulfide	ND		25	24.5	98	23.4	94	5	67-147/12
56-23-5	Carbon tetrachloride	ND		25	23.9	96	26.0	104	8	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.6	114	28.1	112	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	25.7	103	24.3	97	6	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.2	101	25.0	100	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.1	104	25.9	104	1	81-120/11
124-48-1	Dibromochloromethane	ND		25	25.8	103	26.3	105	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.8	99	23.5	94	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.1	100	24.9	100	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	25.6	102	25.1	100	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	29.0	116	29.5	118	2	87-123/10
100-41-4	Ethylbenzene	ND		25	26.1	104	25.9	104	1	87-118/10
591-78-6	2-Hexanone	ND		125	107	86	108	86	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	117	94	119	95	2	62-125/13
74-83-9	Methyl bromide	ND		25	24.2	97	22.6	90	7	55-151/21
74-87-3	Methyl chloride	ND		25	29.9	120	29.8	119	0	55-173/22
75-09-2	Methylene chloride	ND		25	22.2	89	22.2	89	0	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	99.0	79	99.3	79	0	61-127/13
100-42-5	Styrene	ND		25	26.0	104	26.3	105	1	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	27.3	109	26.4	106	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	28.0	112	29.1	116	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.9	104	26.5	106	2	80-114/11
127-18-4	Tetrachloroethylene	ND		25	29.4	118	28.4	114	3	80-131/12
108-88-3	Toluene	ND		25	26.3	105	26.4	106	0	86-116/10
79-01-6	Trichloroethylene	ND		25	22.4	90	21.9	88	2	85-124/10
75-01-4	Vinyl chloride	ND		25	25.6	102	25.4	102	1	57-153/22
1330-20-7	Xylene (total)	ND		75	79.7	106	79.0	105	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61131-1MS	M0031083.D	1	11/04/08	MM	n/a	n/a	VM1277
F61131-1MSD	M0031084.D	1	11/04/08	MM	n/a	n/a	VM1277
F61131-1	M0031082.D	1	11/04/08	MM	n/a	n/a	VM1277

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-1

CAS No.	Surrogate Recoveries	MS	MSD	F61131-1	Limits
1868-53-7	Dibromofluoromethane	100%	102%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	101%	103%	76-127%
2037-26-5	Toluene-D8	100%	103%	102%	86-112%
460-00-4	4-Bromofluorobenzene	104%	105%	110%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61077-15MS	M0031116.D	1	11/05/08	MM	n/a	n/a	VM1278
F61077-15MSD	M0031117.D	1	11/05/08	MM	n/a	n/a	VM1278
F61077-15	M0031114.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-2, F61131-3

CAS No.	Compound	F61077-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	128	102	121	97	6	59-134/14
71-43-2	Benzene	ND		25	25.4	102	24.6	98	3	83-124/11
75-27-4	Bromodichloromethane	ND		25	26.4	106	25.5	102	3	76-116/10
75-25-2	Bromoform	ND		25	24.7	99	24.8	99	0	68-128/11
108-90-7	Chlorobenzene	ND		25	26.3	105	26.2	105	0	87-115/9
75-00-3	Chloroethane	ND		25	29.0	116	27.3	109	6	54-166/20
67-66-3	Chloroform	ND		25	28.7	115	28.1	112	2	85-123/10
75-15-0	Carbon disulfide	ND		25	28.4	114	25.9	104	9	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	27.9	112	27.3	109	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.1	108	26.3	105	3	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	26.3	105	25.5	102	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.9	108	25.4	102	6	81-120/11
124-48-1	Dibromochloromethane	ND		25	23.7	95	24.5	98	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	23.1	92	23.4	94	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.7	95	23.1	92	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	24.7	99	25.1	100	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.6	106	26.9	108	1	87-123/10
100-41-4	Ethylbenzene	ND		25	25.1	100	24.6	98	2	87-118/10
591-78-6	2-Hexanone	ND		125	110	88	109	87	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	124	99	119	95	4	62-125/13
74-83-9	Methyl bromide	ND		25	25.9	104	23.8	95	8	55-151/21
74-87-3	Methyl chloride	ND		25	31.9	128	31.0	124	3	55-173/22
75-09-2	Methylene chloride	ND		25	25.1	100	23.1	92	8	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	112	90	106	85	6	61-127/13
100-42-5	Styrene	ND		25	24.4	98	24.6	98	1	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.9	108	25.9	104	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	25.5	102	25.1	100	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.6	98	24.1	96	2	80-114/11
127-18-4	Tetrachloroethylene	ND		25	28.9	116	29.0	116	0	80-131/12
108-88-3	Toluene	ND		25	24.0	96	24.1	96	0	86-116/10
79-01-6	Trichloroethylene	ND		25	24.4	98	23.4	94	4	85-124/10
75-01-4	Vinyl chloride	ND		25	27.0	108	26.7	107	1	57-153/22
1330-20-7	Xylene (total)	ND		75	73.9	99	73.0	97	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61077-15MS	M0031116.D	1	11/05/08	MM	n/a	n/a	VM1278
F61077-15MSD	M0031117.D	1	11/05/08	MM	n/a	n/a	VM1278
F61077-15	M0031114.D	1	11/05/08	MM	n/a	n/a	VM1278

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-2, F61131-3

CAS No.	Surrogate Recoveries	MS	MSD	F61077-15	Limits
1868-53-7	Dibromofluoromethane	103%	103%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	107%	76-127%
2037-26-5	Toluene-D8	94%	97%	95%	86-112%
460-00-4	4-Bromofluorobenzene	98%	101%	98%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61160-3MS	H052196.D	1	11/06/08	MM	n/a	n/a	VH1942
F61160-3MSD	H052197.D	1	11/06/08	MM	n/a	n/a	VH1942
F61160-3	H052195.D	1	11/06/08	MM	n/a	n/a	VH1942

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-12, F61131-14, F61131-15, F61131-16, F61131-17, F61131-18

CAS No.	Compound	F61160-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	83.0	66	83.6	67	1	59-134/14
71-43-2	Benzene	ND		25	27.9	112	25.1	100	11	83-124/11
75-27-4	Bromodichloromethane	ND		25	24.4	98	22.4	90	9	76-116/10
75-25-2	Bromoform	ND		25	21.5	86	20.3	81	6	68-128/11
108-90-7	Chlorobenzene	ND		25	24.9	100	24.0	96	4	87-115/9
75-00-3	Chloroethane	ND		25	29.8	119	30.2	121	1	54-166/20
67-66-3	Chloroform	ND		25	26.7	107	24.3	97	9	85-123/10
75-15-0	Carbon disulfide	ND		25	23.2	93	20.8	83	11	67-147/12
56-23-5	Carbon tetrachloride	ND		25	28.5	114	26.1	104	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	29.1	116	25.7	103	12*	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.7	111	26.0	104	6	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.6	102	23.7	95	8	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.5	102	23.0	92	10	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.1	96	22.7	91	6	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.6	98	23.3	93	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.8	95	22.1	88	7	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	28.6	114	25.6	102	11*	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.5	98	22.5	90	9	87-123/10
100-41-4	Ethylbenzene	ND		25	25.9	104	23.7	95	9	87-118/10
591-78-6	2-Hexanone	ND		125	106	85	102	82	4	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	132	106	121	97	9	62-125/13
74-83-9	Methyl bromide	ND		25	31.3	125	28.6	114	9	55-151/21
74-87-3	Methyl chloride	ND		25	30.3	121	27.6	110	9	55-173/22
75-09-2	Methylene chloride	ND		25	24.7	99	22.4	90	10	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	115	92	111	89	4	61-127/13
100-42-5	Styrene	ND		25	23.1	92	21.3	85	8	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	28.5	114	26.7	107	7	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	25.3	101	24.2	97	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.4	98	23.2	93	5	80-114/11
127-18-4	Tetrachloroethylene	1.6		25	28.5	108	28.3	107	1	80-131/12
108-88-3	Toluene	ND		25	26.3	105	24.6	98	7	86-116/10
79-01-6	Trichloroethylene	ND		25	25.1	100	23.2	93	8	85-124/10
75-01-4	Vinyl chloride	ND		25	27.9	112	25.5	102	9	57-153/22
1330-20-7	Xylene (total)	ND		75	78.8	105	73.5	98	7	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61160-3MS	H052196.D	1	11/06/08	MM	n/a	n/a	VH1942
F61160-3MSD	H052197.D	1	11/06/08	MM	n/a	n/a	VH1942
F61160-3	H052195.D	1	11/06/08	MM	n/a	n/a	VH1942

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-12, F61131-14, F61131-15, F61131-16, F61131-17, F61131-18

CAS No.	Surrogate Recoveries	MS	MSD	F61160-3	Limits
1868-53-7	Dibromofluoromethane	103%	102%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	101%	100%	76-127%
2037-26-5	Toluene-D8	97%	99%	92%	86-112%
460-00-4	4-Bromofluorobenzene	100%	101%	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61113-1MS	F031825.D	1	11/06/08	AJ	n/a	n/a	VF794
F61113-1MSD	F031826.D	1	11/06/08	AJ	n/a	n/a	VF794
F61113-1	F031820.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-7, F61131-8, F61131-9, F61131-10

CAS No.	Compound	F61113-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	80.0	64	78.3	63	2	59-134/14
71-43-2	Benzene	ND		25	25.9	104	24.9	100	4	83-124/11
75-27-4	Bromodichloromethane	ND		25	24.6	98	23.2	93	6	76-116/10
75-25-2	Bromoform	ND		25	24.7	99	24.8	99	0	68-128/11
108-90-7	Chlorobenzene	ND		25	25.3	101	25.0	100	1	87-115/9
75-00-3	Chloroethane	ND		25	25.7	103	23.8	95	8	54-166/20
67-66-3	Chloroform	ND		25	27.2	109	26.0	104	5	85-123/10
75-15-0	Carbon disulfide	ND		25	22.2	89	21.2	85	5	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.9	108	24.9	100	8	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.2	113	27.1	108	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	24.6	98	22.4	90	9	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.1	100	23.9	96	5	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.4	102	24.1	96	5	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.0	96	23.2	93	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.1	104	25.8	103	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.2	101	23.9	96	5	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.0	108	25.6	102	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	27.0	108	25.7	103	5	87-123/10
100-41-4	Ethylbenzene	ND		25	26.3	105	25.5	102	3	87-118/10
591-78-6	2-Hexanone	ND		125	152	122	147	118	3	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	164	131*	160	128*	2	62-125/13
74-83-9	Methyl bromide	ND		25	24.7	99	22.6	90	9	55-151/21
74-87-3	Methyl chloride	ND		25	23.9	96	23.1	92	3	55-173/22
75-09-2	Methylene chloride	ND		25	27.9	112	27.3	109	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	111	89	108	86	3	61-127/13
100-42-5	Styrene	ND		25	23.4	94	23.3	93	0	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.8	107	25.4	102	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.6	106	26.3	105	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.5	98	23.5	94	4	80-114/11
127-18-4	Tetrachloroethylene	ND		25	24.5	98	22.8	91	7	80-131/12
108-88-3	Toluene	ND		25	25.8	103	23.9	96	8	86-116/10
79-01-6	Trichloroethylene	ND		25	25.5	102	24.1	96	6	85-124/10
75-01-4	Vinyl chloride	ND		25	25.1	100	21.3	85	16	57-153/22
1330-20-7	Xylene (total)	ND		75	78.9	105	75.7	101	4	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61113-1MS	F031825.D	1	11/06/08	AJ	n/a	n/a	VF794
F61113-1MSD	F031826.D	1	11/06/08	AJ	n/a	n/a	VF794
F61113-1	F031820.D	1	11/06/08	AJ	n/a	n/a	VF794

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-7, F61131-8, F61131-9, F61131-10

CAS No.	Surrogate Recoveries	MS	MSD	F61113-1	Limits
1868-53-7	Dibromofluoromethane	104%	104%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	101%	99%	76-127%
2037-26-5	Toluene-D8	96%	93%	97%	86-112%
460-00-4	4-Bromofluorobenzene	97%	97%	101%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61167-14MS	B056644.D	1	11/07/08	LD	n/a	n/a	VB2373
F61167-14MSD	B056645.D	1	11/07/08	LD	n/a	n/a	VB2373
F61167-14	B056638.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-11, F61131-13

CAS No.	Compound	F61167-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	82.0	66	83.9	67	2	59-134/14
71-43-2	Benzene	ND		25	27.1	108	26.6	106	2	83-124/11
75-27-4	Bromodichloromethane	ND		25	23.6	94	23.6	94	0	76-116/10
75-25-2	Bromoform	ND		25	20.9	84	21.1	84	1	68-128/11
108-90-7	Chlorobenzene	ND		25	27.4	110	27.5	110	0	87-115/9
75-00-3	Chloroethane	ND		25	31.7	127	30.3	121	5	54-166/20
67-66-3	Chloroform	ND		25	27.4	110	27.2	109	1	85-123/10
75-15-0	Carbon disulfide	ND		25	27.1	108	25.5	102	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	29.4	118	27.4	110	7	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	30.0	120	28.9	116	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	28.2	113	27.6	110	2	75-133/13
107-06-2	1,2-Dichloroethane	0.36	J	25	25.0	99	23.5	93	6	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.2	105	26.0	104	1	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.2	97	25.0	100	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.0	100	25.3	101	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.1	96	24.5	98	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	29.7	119	28.5	114	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.7	107	26.8	107	0	87-123/10
100-41-4	Ethylbenzene	ND		25	28.2	113	27.5	110	3	87-118/10
591-78-6	2-Hexanone	ND		125	93.5	75	96.7	77	3	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	97.5	78	96.6	77	1	62-125/13
74-83-9	Methyl bromide	ND		25	28.5	114	27.9	112	2	55-151/21
74-87-3	Methyl chloride	ND		25	30.2	121	29.6	118	2	55-173/22
75-09-2	Methylene chloride	ND		25	26.3	105	26.2	105	0	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	81.7	65	83.2	67	2	61-127/13
100-42-5	Styrene	ND		25	24.8	99	24.3	97	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	29.5	118	28.0	112	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	22.7	91	22.7	91	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	23.7	95	24.2	97	2	80-114/11
127-18-4	Tetrachloroethylene	ND		25	25.4	102	24.8	99	2	80-131/12
108-88-3	Toluene	ND		25	28.0	112	27.9	112	0	86-116/10
79-01-6	Trichloroethylene	ND		25	25.5	102	24.7	99	3	85-124/10
75-01-4	Vinyl chloride	ND		25	26.5	106	25.2	101	5	57-153/22
1330-20-7	Xylene (total)	ND		75	85.3	114	83.2	111	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61167-14MS	B056644.D	1	11/07/08	LD	n/a	n/a	VB2373
F61167-14MSD	B056645.D	1	11/07/08	LD	n/a	n/a	VB2373
F61167-14	B056638.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-11, F61131-13

CAS No.	Surrogate Recoveries	MS	MSD	F61167-14	Limits
1868-53-7	Dibromofluoromethane	103%	104%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	110%	107%	76-127%
2037-26-5	Toluene-D8	106%	107%	103%	86-112%
460-00-4	4-Bromofluorobenzene	100%	100%	107%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61194-1MS	C059066.D	1	11/07/08	LD	n/a	n/a	VC2396
F61194-1MSD	C059067.D	1	11/07/08	LD	n/a	n/a	VC2396
F61194-1	C059063.D	1	11/07/08	LD	n/a	n/a	VC2396

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-4, F61131-5, F61131-6

CAS No.	Compound	F61194-1 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	62.9	50*	60.9	49*	3	59-134/14
71-43-2	Benzene	4.3		25	28.2	96	26.2	88	7	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	23.9	96	22.0	88	8	76-116/10
75-25-2	Bromoform	1.0 U		25	27.0	108	25.9	104	4	68-128/11
108-90-7	Chlorobenzene	65.0		25	82.9	72* [a]	79.3	57* [a]	4	87-115/9
75-00-3	Chloroethane	2.0 U		25	23.1	92	21.1	84	9	54-166/20
67-66-3	Chloroform	1.0 U		25	25.9	104	24.0	96	8	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	28.0	112	24.0	96	15*	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	29.4	118	26.5	106	10	74-139/13
75-34-3	1,1-Dichloroethane	1.1		25	26.6	102	24.7	94	7	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.1	116	26.6	106	9	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	25.5	102	23.6	94	8	76-122/11
78-87-5	1,2-Dichloropropane	0.79	I	25	23.3	90	22.1	85	5	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	25.7	103	25.5	102	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	47.1		25	71.1	96	66.2	76*	7	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.3	89	21.0	84	6	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	25.6	102	24.1	96	6	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	27.8	111	26.9	108	3	87-123/10
100-41-4	Ethylbenzene	10.5		25	36.0	102	34.5	96	4	87-118/10
591-78-6	2-Hexanone	10 U		125	120	96	117	94	3	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	138	110	130	104	6	62-125/13
74-83-9	Methyl bromide	2.0 U		25	21.7	87	20.1	80	8	55-151/21
74-87-3	Methyl chloride	2.0 U		25	26.6	106	25.0	100	6	55-173/22
75-09-2	Methylene chloride	5.0 U		25	24.9	100	23.4	94	6	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	93.0	74	87.9	70	6	61-127/13
100-42-5	Styrene	1.0 U		25	24.3	97	23.9	96	2	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	27.9	112	25.8	103	8	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	26.0	104	25.2	101	3	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.0	96	23.5	94	2	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	26.3	105	25.2	101	4	80-131/12
108-88-3	Toluene	1.4		25	27.4	104	26.4	100	4	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	22.9	92	21.2	85	8	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	23.5	94	22.4	90	5	57-153/22
1330-20-7	Xylene (total)	17.5		75	99.4	109	93.2	101	6	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61194-1MS	C059066.D	1	11/07/08	LD	n/a	n/a	VC2396
F61194-1MSD	C059067.D	1	11/07/08	LD	n/a	n/a	VC2396
F61194-1	C059063.D	1	11/07/08	LD	n/a	n/a	VC2396

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-4, F61131-5, F61131-6

CAS No.	Surrogate Recoveries	MS	MSD	F61194-1	Limits
1868-53-7	Dibromofluoromethane	106%	105%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	115%	113%	110%	76-127%
2037-26-5	Toluene-D8	105%	104%	106%	86-112%
460-00-4	4-Bromofluorobenzene	96%	98%	97%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61293-8MS	F031868.D	1	11/07/08	AJ	n/a	n/a	VF795
F61293-8MSD	F031869.D	1	11/07/08	AJ	n/a	n/a	VF795
F61293-8 [a]	F031865.D	1	11/07/08	AJ	n/a	n/a	VF795

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61131-7

CAS No.	Compound	F61293-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2.2		25	27.8	102	27.4	101	1	83-124/11

CAS No.	Surrogate Recoveries	MS	MSD	F61293-8	Limits
1868-53-7	Dibromofluoromethane	100%	100%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	100%	101%	76-127%
2037-26-5	Toluene-D8	97%	97%	98%	86-112%
460-00-4	4-Bromofluorobenzene	97%	100%	98%	84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27002-MB	AA046152.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857

The QC reported here applies to the following samples: **Method:** EPA 610

F61131-1, F61131-2, F61131-3, F61131-4, F61131-5, F61131-6, F61131-7, F61131-8, F61131-9, F61131-10, F61131-11, F61131-12, F61131-13, F61131-14, F61131-15, F61131-16, F61131-17, F61131-19

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	98%	43-121%
92-94-4	p-Terphenyl	101%	30-122%

Method Blank Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27002-MB	EE058806.D	1	11/06/08	FEA	10/31/08	OP27002	GEE2145

The QC reported here applies to the following samples: **Method:** EPA 610

F61131-1, F61131-2, F61131-3, F61131-4, F61131-5, F61131-6, F61131-7, F61131-8, F61131-9, F61131-10, F61131-11, F61131-12, F61131-13, F61131-14, F61131-15, F61131-16, F61131-17, F61131-19

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	97%	43-121%
92-94-4	p-Terphenyl	100%	30-122%

Blank Spike Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27002-BS	AA046151.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857

The QC reported here applies to the following samples: **Method:** EPA 610

F61131-1, F61131-2, F61131-3, F61131-4, F61131-5, F61131-6, F61131-7, F61131-8, F61131-9, F61131-10, F61131-11, F61131-12, F61131-13, F61131-14, F61131-15, F61131-16, F61131-17, F61131-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	17.6	88	60-102
208-96-8	Acenaphthylene	20	19.1	96	66-108
120-12-7	Anthracene	10	9.4	94	64-107
56-55-3	Benzo(a)anthracene	10	9.9	99	70-108
50-32-8	Benzo(a)pyrene	10	9.6	96	72-115
205-99-2	Benzo(b)fluoranthene	10	10.0	100	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.8	98	69-113
207-08-9	Benzo(k)fluoranthene	10	9.9	99	70-111
218-01-9	Chrysene	10	9.9	99	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.8	98	71-114
206-44-0	Fluoranthene	20	19.0	95	68-110
86-73-7	Fluorene	20	18.1	91	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.5	95	69-110
91-20-3	Naphthalene	20	15.3	77	55-94
90-12-0	1-Methylnaphthalene	20	16.3	82	55-97
91-57-6	2-Methylnaphthalene	20	15.7	79	51-97
85-01-8	Phenanthrene	20	19.1	96	67-108
129-00-0	Pyrene	20	19.6	98	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	43-121%
92-94-4	p-Terphenyl	91%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61131
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27002-MS	AA046159.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
OP27002-MSD	AA046160.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
F61131-7 [a]	AA046158.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857

The QC reported here applies to the following samples: **Method:** EPA 610

F61131-1, F61131-2, F61131-3, F61131-4, F61131-5, F61131-6, F61131-7, F61131-8, F61131-9, F61131-10, F61131-11, F61131-12, F61131-13, F61131-14, F61131-15, F61131-16, F61131-17, F61131-19

CAS No.	Compound	F61131-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	34.9	91	36.4	95	4	60-102/33
208-96-8	Acenaphthylene	ND		38.5	41.6	108	43.0	112*	3	66-108/32
120-12-7	Anthracene	ND		19.2	18.3	95	19.4	101	6	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.0	99	20.1	105	6	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	18.6	97	19.7	102	6	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	19.3	100	20.4	106	6	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	18.8	98	19.9	103	6	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.0	99	20.1	105	6	70-111/21
218-01-9	Chrysene	ND		19.2	19.1	99	20.2	105	6	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	18.9	98	20.0	104	6	71-114/23
206-44-0	Fluoranthene	ND		38.5	36.5	95	38.7	101	6	68-110/17
86-73-7	Fluorene	ND		38.5	35.5	92	37.3	97	5	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	18.3	95	19.3	100	5	69-110/22
91-20-3	Naphthalene	3.0		38.5	33.6	80	34.7	82	3	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	32.8	85	33.9	88	3	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	31.8	83	32.7	85	3	51-97/25
85-01-8	Phenanthrene	ND		38.5	37.0	96	39.2	102	6	67-108/22
129-00-0	Pyrene	ND		38.5	37.7	98	40.0	104	6	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61131-7	Limits
84-15-1	o-Terphenyl	91%	98%	99%	43-121%
92-94-4	p-Terphenyl	88%	92%	90%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/13/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61167

Sampling Date: 10/27/08

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: **110**

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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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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F61167

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61167-1	10/27/08	09:10	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW53
F61167-2	10/27/08	13:40	MM	10/28/08	AQ	Ground Water	IR78-GW32-03
F61167-3	10/27/08	14:00	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW62
F61167-4	10/27/08	09:20	MM	10/28/08	AQ	Ground Water	UST1115-MW07
F61167-5	10/27/08	13:35	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW19
F61167-6	10/27/08	10:50	MM	10/28/08	AQ	Ground Water	UST1115-MW20
F61167-7	10/27/08	10:05	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW58
F61167-8	10/27/08	13:20	MM	10/28/08	AQ	Ground Water	UST1101-MW02
F61167-9	10/27/08	12:50	MM	10/28/08	AQ	Ground Water	UST1101-MW01
F61167-10	10/27/08	11:25	MM	10/28/08	AQ	Ground Water	UST1101-MW03
F61167-11	10/27/08	11:00	MM	10/28/08	AQ	Ground Water	UST1115-MW03
F61167-12	10/27/08	11:10	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW28
F61167-13	10/27/08	11:45	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW09

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F61167

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61167-14	10/27/08	14:45	MM	10/28/08	AQ	Ground Water	IR78-GW17-2
F61167-15	10/27/08	14:20	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW30
F61167-16	10/27/08	09:45	MM	10/28/08	AQ	Ground Water	UST1115-MW19
F61167-17	10/27/08	13:10	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW05
F61167-18	10/27/08	10:45	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW17
F61167-19	10/27/08	09:40	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW16
F61167-20	10/27/08	10:00	MM	10/28/08	AQ	Ground Water	USTHPFFC-MW23
F61167-21	10/27/08	14:40	MM	10/28/08	AQ	Ground Water	USTHPFF-MW31
F61167-22	10/27/08	14:40	MM	10/28/08	AQ	Ground Water	IR78-GW32-2
F61167-23	10/27/08	00:00	MM	10/28/08	AQ	Trip Blank Water	TRIP BLANK 102708

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW53		
Lab Sample ID:	F61167-1	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046177.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		43-121%
92-94-4	p-Terphenyl	80%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW32-03
Lab Sample ID: F61167-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/27/08
Date Received: 10/28/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059048.D	1	11/06/08	LD	n/a	n/a	VC2395
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	1.3	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW32-03		
Lab Sample ID:	F61167-2	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	110%		76-127%
2037-26-5	Toluene-D8	112%		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:	IR78-GW32-03		
Lab Sample ID:	F61167-2	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046178.D	1	11/06/08	FEA	10/31/08	OP27002	GAA1857
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048	0.19	0.048	ug/l	J
50-32-8	Benzo(a)pyrene	0.096	0.19	0.048	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.057	0.19	0.048	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.14	0.19	0.095	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.085	0.19	0.048	ug/l	J
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		43-121%
92-94-4	p-Terphenyl	89%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW62		
Lab Sample ID:	F61167-3	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059049.D	1	11/06/08	LD	n/a	n/a	VC2395
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW62		
Lab Sample ID:	F61167-3	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	112%		76-127%
2037-26-5	Toluene-D8	110%		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-MW62		
Lab Sample ID:	F61167-3	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058834.D	1	11/07/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	79%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61167-4	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059050.D	50	11/06/08	LD	n/a	n/a	VC2395
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	2180	50	20	ug/l	
75-27-4	Bromodichloromethane	ND	50	10	ug/l	
75-25-2	Bromoform	ND	50	17	ug/l	
108-90-7	Chlorobenzene	ND	50	11	ug/l	
75-00-3	Chloroethane	ND	100	24	ug/l	
67-66-3	Chloroform	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	100	20	ug/l	
56-23-5	Carbon tetrachloride	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	12	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	27	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	17	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	11	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	745	50	22	ug/l	
591-78-6	2-Hexanone	ND	500	250	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	100	ug/l	
74-83-9	Methyl bromide	ND	100	39	ug/l	
74-87-3	Methyl chloride	ND	100	31	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	18	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	17	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	13	ug/l	
127-18-4	Tetrachloroethylene	ND	50	11	ug/l	
108-88-3	Toluene	3410	50	18	ug/l	
79-01-6	Trichloroethylene	ND	50	16	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:	F61167-4	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	15	ug/l	
1330-20-7	Xylene (total)	2930	150	58	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	107%		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:	UST1115-MW07		
Lab Sample ID:	F61167-4	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058835.D	1	11/07/08	FEA	10/31/08	OP27011	GEE2146
Run #2 [a]	EE058891.D	2	11/10/08	FEA	10/31/08	OP27011	GEE2147

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	112 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	19.4	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	36.5	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%	82%	43-121%
92-94-4	p-Terphenyl	65%	63%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFFC-MW19		
Lab Sample ID:	F61167-5	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059051.D	100	11/06/08	LD	n/a	n/a	VC2395
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	8790	100	40	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	1140	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	991	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	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	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	7990	100	35	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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:	F61167-5	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	30	ug/l	
1330-20-7	Xylene (total)	5740	300	120	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	107%		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-MW19		
Lab Sample ID:	F61167-5	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058838.D	1	11/07/08	FEA	10/31/08	OP27011	GEE2146
Run #2 [a]	EE058892.D	2	11/10/08	FEA	10/31/08	OP27011	GEE2147

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	96.8 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	15.4	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	19.1	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%	54%	43-121%
92-94-4	p-Terphenyl	44%	43%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	F61167-6	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059052.D	100	11/06/08	LD	n/a	n/a	VC2395
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	7670	100	40	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	527	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	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	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	91.7	100	35	ug/l	J
79-01-6	Trichloroethylene	ND	100	32	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:	F61167-6	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	30	ug/l	
1330-20-7	Xylene (total)	952	300	120	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	112%		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 Laboratories

Report of Analysis

Client Sample ID:	UST1115-MW20		
Lab Sample ID:	F61167-6	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058839.D	1	11/07/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	73.5	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	4.2	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	4.2	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		43-121%
92-94-4	p-Terphenyl	68%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW58		
Lab Sample ID:	F61167-7	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056626.D	1	11/06/08	LD	n/a	n/a	VB2372
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.61	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW58		
Lab Sample ID:	F61167-7	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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-MW58		
Lab Sample ID:	F61167-7	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058840.D	1	11/07/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	64%		43-121%
92-94-4	p-Terphenyl	42%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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: UST1101-MW02
Lab Sample ID: F61167-8
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/27/08
Date Received: 10/28/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056627.D	1	11/06/08	LD	n/a	n/a	VB2372
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	UST1101-MW02		
Lab Sample ID:	F61167-8	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	105%		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:	UST1101-MW02		
Lab Sample ID:	F61167-8	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058841.D	1	11/07/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	52%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	UST1101-MW01		
Lab Sample ID:	F61167-9	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056628.D	1	11/06/08	LD	n/a	n/a	VB2372
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	UST1101-MW01		
Lab Sample ID:	F61167-9	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	105%		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 Laboratories

Report of Analysis

Client Sample ID: UST1101-MW01
Lab Sample ID: F61167-9
Matrix: AQ - Ground Water
Method: EPA 610 SW846 3510C
Project: Camp Lejeune-HPFF

Date Sampled: 10/27/08
Date Received: 10/28/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058842.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		43-121%
92-94-4	p-Terphenyl	46%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	UST1101-MW03		
Lab Sample ID:	F61167-10	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056629.D	1	11/06/08	LD	n/a	n/a	VB2372
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	UST1101-MW03		
Lab Sample ID:	F61167-10	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		76-127%
2037-26-5	Toluene-D8	103%		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 Laboratories

Report of Analysis

Client Sample ID:	UST1101-MW03		
Lab Sample ID:	F61167-10	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058843.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		43-121%
92-94-4	p-Terphenyl	46%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW03		
Lab Sample ID:	F61167-11	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056630.D	1	11/06/08	LD	n/a	n/a	VB2372
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	0.80	1.0	0.28	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW03		
Lab Sample ID:	F61167-11	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		76-127%
2037-26-5	Toluene-D8	104%		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-MW03		
Lab Sample ID:	F61167-11	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058844.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		43-121%
92-94-4	p-Terphenyl	80%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW28		
Lab Sample ID:	F61167-12	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056631.D	200	11/06/08	LD	n/a	n/a	VB2372
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	6520	200	80	ug/l	
75-27-4	Bromodichloromethane	ND	200	40	ug/l	
75-25-2	Bromoform	ND	200	66	ug/l	
108-90-7	Chlorobenzene	ND	200	44	ug/l	
75-00-3	Chloroethane	ND	400	96	ug/l	
67-66-3	Chloroform	ND	200	56	ug/l	
75-15-0	Carbon disulfide	ND	400	80	ug/l	
56-23-5	Carbon tetrachloride	ND	200	44	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	48	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	110	ug/l	
107-06-2	1,2-Dichloroethane	ND	200	68	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	42	ug/l	
124-48-1	Dibromochloromethane	ND	200	40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	200	40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	42	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	90	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	42	ug/l	
100-41-4	Ethylbenzene	721	200	86	ug/l	
591-78-6	2-Hexanone	ND	2000	1000	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	400	ug/l	
74-83-9	Methyl bromide	ND	400	160	ug/l	
74-87-3	Methyl chloride	ND	400	120	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	72	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	66	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	52	ug/l	
127-18-4	Tetrachloroethylene	ND	200	44	ug/l	
108-88-3	Toluene	18200	200	70	ug/l	
79-01-6	Trichloroethylene	ND	200	64	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-MW28		
Lab Sample ID:	F61167-12	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	200	60	ug/l	
1330-20-7	Xylene (total)	6110	600	230	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	108%		76-127%
2037-26-5	Toluene-D8	101%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW28		
Lab Sample ID:	F61167-12	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058845.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2 [a]	EE058893.D	4	11/10/08	FEA	10/31/08	OP27011	GEE2147

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND [b]	7.7	3.8	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.17	0.19	0.048	ug/l	J
50-32-8	Benzo(a)pyrene	0.17	0.19	0.048	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.22	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.18	0.19	0.096	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.12	0.19	0.048	ug/l	J
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.99	1.9	0.48	ug/l	J
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.17	0.19	0.048	ug/l	J
91-20-3	Naphthalene	273 [b]	7.7	3.8	ug/l	
90-12-0	1-Methylnaphthalene	60.6 [b]	7.7	1.9	ug/l	
91-57-6	2-Methylnaphthalene	96.1 [b]	7.7	1.9	ug/l	
85-01-8	Phenanthrene	1.8	1.9	0.96	ug/l	J
129-00-0	Pyrene	1.2	1.9	0.48	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	118%	99%	43-121%
92-94-4	p-Terphenyl	76%	75%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFFC-MW09		
Lab Sample ID:	F61167-13	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056666.D	1	11/10/08	LD	n/a	n/a	VB2374
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61167-13	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW09		
Lab Sample ID:	F61167-13	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058846.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		43-121%
92-94-4	p-Terphenyl	70%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61167-14	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056638.D	1	11/07/08	LD	n/a	n/a	VB2373
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	0.36	1.0	0.34	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW17-2		
Lab Sample ID:	F61167-14	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	107%		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:	IR78-GW17-2		
Lab Sample ID:	F61167-14	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058847.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		43-121%
92-94-4	p-Terphenyl	83%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW30		
Lab Sample ID:	F61167-15	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056640.D	10	11/07/08	LD	n/a	n/a	VB2373
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	659	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	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	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	29.8	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	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-MW30		
Lab Sample ID:	F61167-15	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	3.0	ug/l	
1330-20-7	Xylene (total)	ND	30	12	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	110%		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:	USTHPFFC-MW30		
Lab Sample ID:	F61167-15	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058850.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	1.4	1.9	0.96	ug/l	J
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.58	1.9	0.48	ug/l	J
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		43-121%
92-94-4	p-Terphenyl	60%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW19		
Lab Sample ID:	F61167-16	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056641.D	1	11/07/08	LD	n/a	n/a	VB2373
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.36	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW19		
Lab Sample ID:	F61167-16	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	105%		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-MW19
Lab Sample ID: F61167-16
Matrix: AQ - Ground Water
Method: EPA 610 SW846 3510C
Project: Camp Lejeune-HPFF

Date Sampled: 10/27/08
Date Received: 10/28/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058851.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		43-121%
92-94-4	p-Terphenyl	86%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61167-17	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056642.D	1	11/07/08	LD	n/a	n/a	VB2373
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61167-17	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		76-127%
2037-26-5	Toluene-D8	104%		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-MW05		
Lab Sample ID:	F61167-17	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058852.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		43-121%
92-94-4	p-Terphenyl	76%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW17		
Lab Sample ID:	F61167-18	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056667.D	2	11/10/08	LD	n/a	n/a	VB2374
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	139	2.0	0.80	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.40	ug/l	
75-25-2	Bromoform	ND	2.0	0.66	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.44	ug/l	
75-00-3	Chloroethane	ND	4.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.56	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.80	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.44	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.48	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	1.1	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.68	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.90	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	195	2.0	0.86	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.6	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.2	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	0.72	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.66	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.52	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.44	ug/l	
108-88-3	Toluene	9.3	2.0	0.70	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.64	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-MW17		
Lab Sample ID:	F61167-18	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.60	ug/l	
1330-20-7	Xylene (total)	142	6.0	2.3	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	107%		76-127%
2037-26-5	Toluene-D8	100%		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-MW17		
Lab Sample ID:	F61167-18	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058855.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	18.6	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	2.6	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	4.2	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		43-121%
92-94-4	p-Terphenyl	69%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW16		
Lab Sample ID:	F61167-19	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056650.D	1	11/07/08	LD	n/a	n/a	VB2373
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	77.8	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW16		
Lab Sample ID:	F61167-19	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	108%		76-127%
2037-26-5	Toluene-D8	106%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW16		
Lab Sample ID:	F61167-19	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058856.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	77%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW23
Lab Sample ID: F61167-20
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/27/08
Date Received: 10/28/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056651.D	1	11/07/08	LD	n/a	n/a	VB2373
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	8.7	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	24.5	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	9.9	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	1.0	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW23		
Lab Sample ID:	F61167-20	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	14.1	3.0	1.2	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	103%		76-127%
2037-26-5	Toluene-D8	100%		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-MW23		
Lab Sample ID:	F61167-20	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058857.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.15	0.19	0.048	ug/l	J
50-32-8	Benzo(a)pyrene	0.26	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.30	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.30	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	0.54	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.059	0.19	0.048	ug/l	J
206-44-0	Fluoranthene	0.55	1.9	0.48	ug/l	J
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.25	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	60%		43-121%
92-94-4	p-Terphenyl	65%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW31		
Lab Sample ID:	F61167-21	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056652.D	1	11/07/08	LD	n/a	n/a	VB2373
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW31		
Lab Sample ID:	F61167-21	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		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: USTHPFF-MW31
Lab Sample ID: F61167-21
Matrix: AQ - Ground Water
Method: EPA 610 SW846 3510C
Project: Camp Lejeune-HPFF

Date Sampled: 10/27/08
Date Received: 10/28/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058858.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		43-121%
92-94-4	p-Terphenyl	89%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61167-22	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056653.D	1	11/07/08	LD	n/a	n/a	VB2373
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	13.3	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	0.36	1.0	0.20	ug/l	J
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	6.3	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	28.1	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61167-22	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	43.4	3.0	1.2	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	108%		76-127%
2037-26-5	Toluene-D8	101%		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 Laboratories

Report of Analysis

Client Sample ID:	IR78-GW32-2		
Lab Sample ID:	F61167-22	**Date Sampled:**	10/27/08
Matrix:	AQ - Ground Water	**Date Received:**	10/28/08
Method:	EPA 610 SW846 3510C	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058859.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.11	0.19	0.048	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.086	0.19	0.048	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.10	0.19	0.096	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.058	0.19	0.048	ug/l	J
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		43-121%
92-94-4	p-Terphenyl	89%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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 102708		
Lab Sample ID:	F61167-23	**Date Sampled:**	10/27/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/28/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056654.D	1	11/07/08	LD	n/a	n/a	VB2373
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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 102708		
Lab Sample ID:	F61167-23	**Date Sampled:**	10/27/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/28/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	104%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

COC Number:
125709-HPFF-102708-1

F61167

CHAIN-OF-CUSTODY RECORD

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	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin		US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260	Analysis Desired: PAH 610
1	USTHPFFC-MW53	10/27/08	9:10		X	USTHPFFC-MW53	2		X
2	IR78-'GW32-03	10/27/08	13:40		X	IR78-GW32-03	5	X	X
3	USTHPFFC-MW62	10/27/08	14:00		X	USTHPFFC-MW62	5	X	X
4	UST1115-MW07	10/27/08	9:20		X	UST1115-MW07	5	X	X
5	USTHPFFC-MW19	10/27/08	13:35		X	USTHPFFC-MW19	5	X	X
6	UST1115-MW20	10/27/08	10:50		X	UST1115-MW20	5	X	X
7	USTHPFFC-MW58	10/27/08	10:05		X	USTHPFFC-MW58	5	X	X
8	UST1101-MW02	10/27/08	13:20		X	UST1101-MW02	5	X	X
9	UST1101-MW01	10/27/08	12:50		X	UST1101-MW01	5	X	X
10	UST1101-MW03	10/27/08	11:25		X	UST1101-MW03	5	X	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 10		FedEx		17:00
2		FX	J. Corle	10-28-08	09:30
3					

Remarks

14 Day TAT

FedEx 8668 3649 8373, 8668 3649 8384, 8668 3649 8395, 8668 3649 8400, 8668 3649 8410

1.2 2.0 1.8 2.4 1.0 2.8

F61167: Chain of Custody
Page 1 of 4

COC Number:
125709-HPFF-102708-2

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F61167

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	

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610
11	UST1115-MW03	10/27/08	11:00		X	UST1115-MW03	5	X	X
12	USTHPFFC-MW28	10/27/08	11:10		X	USTHPFFC-MW28	5	X	X
13	USTHPFFC-MW09	10/27/08	11:45		X	USTHPFFC-MW09	5	X	X
14	IR78-GW17-2	10/27/08	14:45		X	IR78-GW17-2	5	X	X
15	USTHPFFC-MW30	10/27/08	14:20		X	USTHPFFC-MW30	5	X	X
16	UST1115-MW19	10/27/08	9:45		X	UST1115-MW19	5	X	X
17	USTHPFFC-MW05	10/27/08	13:10		X	USTHPFFC-MW05	5	X	X
18	USTHPFFC-MW17	10/27/08	10:45		X	USTHPFFC-MW17	5	X	X
19	USTHPFFC-MW16	10/27/08	9:40		X	USTHPFFC-MW17	5	X	X
10	USTHPFFC-MW23	10/27/08	10:00		X	USTHPFFC-MW23	5	X	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 --10		FedEx		17:00
2		Fx	J. Poppe	10-28-08	09:30
3					

Remarks

14 Day TAT

FedEx 8668 3649 8373, 8668 3649 8384, 8668 3649 8395, 8668 3649 8400, 8668 3649 8410

COC Number:
125709-HPFF-102408-3

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F61167

Shaw Environmental & Infrastructure, Inc. - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving Lab: ACCUTEST

Project Name	Project Location	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin		US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260	Analysis Desired: PAH 610
21	USTHPFF-MW31	10/27/08	14:40		X	USTHPFF-MW31	5	X	X
22	IR78-GW32-2	10/27/08	14:40		X	IR78-GW32-2	5	X	X
23	Trip Blank 102708	10/27/08				Trip Blank 102708	1	X	X
4									
5									
6									
7									
8									
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1-3		FedEx		17:00
2		FX	L. Comar	10-28-08	09:30
3					

Remarks

14 Day TAT

FedEx 8668 3649 8318, 8668 3649 8329, 8668 3649 8330, 8668 3649 8340, 86683649 8351, 8668 3649 8362

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61167 CLIENT: SHAW PROJECT: CAMP LEJEUNE-HPFF

DATE/TIME RECEIVED: 10-28-08 09:30 # OF COOLERS RECEIVED: 6 COOLER TEMPS: 1.2 2.0 1.8 2.4 1.0 1.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

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
- [ ] 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
- [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 ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: SAMPLE #12 COC reads 14:40 LABELS 14:10

SEE COC FOR TIMES

TECHNICIAN SIGNATURE/DATE SC 10-28-08 TECHNICIAN SIGNATURE/DATE CR 10/28/08 ASBD 12/17/07

F61167: Chain of Custody

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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: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2395-MB	C059030.D	1	11/06/08	LD	n/a	n/a	VC2395

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-2, F61167-3, F61167-4, F61167-5, F61167-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2395-MB	C059030.D	1	11/06/08	LD	n/a	n/a	VC2395

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-2, F61167-3, F61167-4, F61167-5, F61167-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	112%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2372-MB	B056609.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2372-MB	B056609.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2373-MB	B056637.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-14, F61167-15, F61167-16, F61167-17, F61167-19, F61167-20, F61167-21, F61167-22, F61167-23

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2373-MB	B056637.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-14, F61167-15, F61167-16, F61167-17, F61167-19, F61167-20, F61167-21, F61167-22, F61167-23

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	104%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2374-MB	B056664.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-13, F61167-18

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2374-MB	B056664.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-13, F61167-18

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	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	105%	84-120%

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2395-BS	C059029.D	1	11/06/08	LD	n/a	n/a	VC2395

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-2, F61167-3, F61167-4, F61167-5, F61167-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	105	84	59-134
71-43-2	Benzene	25	22.5	90	83-124
75-27-4	Bromodichloromethane	25	21.8	87	76-116
75-25-2	Bromoform	25	24.7	99	68-128
108-90-7	Chlorobenzene	25	24.5	98	87-115
75-00-3	Chloroethane	25	24.3	97	54-166
67-66-3	Chloroform	25	23.9	96	85-123
75-15-0	Carbon disulfide	25	26.4	106	67-147
56-23-5	Carbon tetrachloride	25	26.7	107	74-139
75-34-3	1,1-Dichloroethane	25	24.5	98	82-127
75-35-4	1,1-Dichloroethylene	25	28.4	114	75-133
107-06-2	1,2-Dichloroethane	25	22.4	90	76-122
78-87-5	1,2-Dichloropropane	25	20.8	83	81-120
124-48-1	Dibromochloromethane	25	24.0	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	21.4	86	81-114
10061-01-5	cis-1,3-Dichloropropene	25	22.0	88	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.6	98	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.3	101	87-123
100-41-4	Ethylbenzene	25	25.7	103	87-118
591-78-6	2-Hexanone	125	110	88	58-125
108-10-1	4-Methyl-2-pentanone	125	114	91	62-125
74-83-9	Methyl bromide	25	23.5	94	55-151
74-87-3	Methyl chloride	25	27.5	110	55-173
75-09-2	Methylene chloride	25	26.0	104	69-125
78-93-3	Methyl ethyl ketone	125	93.8	75	61-127
100-42-5	Styrene	25	23.8	95	78-118
71-55-6	1,1,1-Trichloroethane	25	26.3	105	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.1	96	71-120
79-00-5	1,1,2-Trichloroethane	25	22.2	89	80-114
127-18-4	Tetrachloroethylene	25	24.4	98	80-131
108-88-3	Toluene	25	24.6	98	86-116
79-01-6	Trichloroethylene	25	21.5	86	85-124
75-01-4	Vinyl chloride	25	24.6	98	57-153
1330-20-7	Xylene (total)	75	77.1	103	86-120

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2395-BS	C059029.D	1	11/06/08	LD	n/a	n/a	VC2395

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-2, F61167-3, F61167-4, F61167-5, F61167-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	109%	76-127%
2037-26-5	Toluene-D8	104%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2372-BS	B056608.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	99.0	79	59-134
71-43-2	Benzene	25	25.6	102	83-124
75-27-4	Bromodichloromethane	25	22.5	90	76-116
75-25-2	Bromoform	25	19.5	78	68-128
108-90-7	Chlorobenzene	25	26.0	104	87-115
75-00-3	Chloroethane	25	30.5	122	54-166
67-66-3	Chloroform	25	26.0	104	85-123
75-15-0	Carbon disulfide	25	26.6	106	67-147
56-23-5	Carbon tetrachloride	25	28.6	114	74-139
75-34-3	1,1-Dichloroethane	25	28.6	114	82-127
75-35-4	1,1-Dichloroethylene	25	26.6	106	75-133
107-06-2	1,2-Dichloroethane	25	23.8	95	76-122
78-87-5	1,2-Dichloropropane	25	25.1	100	81-120
124-48-1	Dibromochloromethane	25	23.0	92	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.6	98	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.8	95	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.0	112	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.1	100	87-123
100-41-4	Ethylbenzene	25	26.6	106	87-118
591-78-6	2-Hexanone	125	93.5	75	58-125
108-10-1	4-Methyl-2-pentanone	125	92.2	74	62-125
74-83-9	Methyl bromide	25	28.2	113	55-151
74-87-3	Methyl chloride	25	28.1	112	55-173
75-09-2	Methylene chloride	25	26.6	106	69-125
78-93-3	Methyl ethyl ketone	125	85.6	68	61-127
100-42-5	Styrene	25	23.0	92	78-118
71-55-6	1,1,1-Trichloroethane	25	28.1	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	21.7	87	71-120
79-00-5	1,1,2-Trichloroethane	25	22.4	90	80-114
127-18-4	Tetrachloroethylene	25	24.6	98	80-131
108-88-3	Toluene	25	26.5	106	86-116
79-01-6	Trichloroethylene	25	23.6	94	85-124
75-01-4	Vinyl chloride	25	24.5	98	57-153
1330-20-7	Xylene (total)	75	79.5	106	86-120

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2372-BS	B056608.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2373-BS	B056636.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-14, F61167-15, F61167-16, F61167-17, F61167-19, F61167-20, F61167-21, F61167-22, F61167-23

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	86.6	69	59-134
71-43-2	Benzene	25	26.8	107	83-124
75-27-4	Bromodichloromethane	25	23.8	95	76-116
75-25-2	Bromoform	25	20.3	81	68-128
108-90-7	Chlorobenzene	25	27.3	109	87-115
75-00-3	Chloroethane	25	31.9	128	54-166
67-66-3	Chloroform	25	27.5	110	85-123
75-15-0	Carbon disulfide	25	27.2	109	67-147
56-23-5	Carbon tetrachloride	25	29.6	118	74-139
75-34-3	1,1-Dichloroethane	25	29.6	118	82-127
75-35-4	1,1-Dichloroethylene	25	26.0	104	75-133
107-06-2	1,2-Dichloroethane	25	24.5	98	76-122
78-87-5	1,2-Dichloropropane	25	25.9	104	81-120
124-48-1	Dibromochloromethane	25	24.1	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.4	102	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.5	118	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.9	108	87-123
100-41-4	Ethylbenzene	25	28.0	112	87-118
591-78-6	2-Hexanone	125	97.3	78	58-125
108-10-1	4-Methyl-2-pentanone	125	93.9	75	62-125
74-83-9	Methyl bromide	25	29.5	118	55-151
74-87-3	Methyl chloride	25	30.4	122	55-173
75-09-2	Methylene chloride	25	27.1	108	69-125
78-93-3	Methyl ethyl ketone	125	87.4	70	61-127
100-42-5	Styrene	25	24.5	98	78-118
71-55-6	1,1,1-Trichloroethane	25	29.5	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.8	91	71-120
79-00-5	1,1,2-Trichloroethane	25	23.6	94	80-114
127-18-4	Tetrachloroethylene	25	26.1	104	80-131
108-88-3	Toluene	25	28.4	114	86-116
79-01-6	Trichloroethylene	25	25.0	100	85-124
75-01-4	Vinyl chloride	25	26.4	106	57-153
1330-20-7	Xylene (total)	75	83.9	112	86-120

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2373-BS	B056636.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-14, F61167-15, F61167-16, F61167-17, F61167-19, F61167-20, F61167-21, F61167-22, F61167-23

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2374-BS	B056663.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-13, F61167-18

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	27.3	109	83-124
75-27-4	Bromodichloromethane	25	24.3	97	76-116
75-25-2	Bromoform	25	21.4	86	68-128
108-90-7	Chlorobenzene	25	27.3	109	87-115
75-00-3	Chloroethane	25	30.6	122	54-166
67-66-3	Chloroform	25	27.5	110	85-123
75-15-0	Carbon disulfide	25	27.4	110	67-147
56-23-5	Carbon tetrachloride	25	29.7	119	74-139
75-34-3	1,1-Dichloroethane	25	30.4	122	82-127
75-35-4	1,1-Dichloroethylene	25	26.5	106	75-133
107-06-2	1,2-Dichloroethane	25	25.1	100	76-122
78-87-5	1,2-Dichloropropane	25	26.4	106	81-120
124-48-1	Dibromochloromethane	25	24.1	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.7	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.7	103	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.7	119	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.9	108	87-123
100-41-4	Ethylbenzene	25	27.8	111	87-118
591-78-6	2-Hexanone	125	108	86	58-125
108-10-1	4-Methyl-2-pentanone	125	103	82	62-125
74-83-9	Methyl bromide	25	26.8	107	55-151
74-87-3	Methyl chloride	25	24.1	96	55-173
75-09-2	Methylene chloride	25	29.0	116	69-125
78-93-3	Methyl ethyl ketone	125	102	82	61-127
100-42-5	Styrene	25	24.4	98	78-118
71-55-6	1,1,1-Trichloroethane	25	29.4	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.4	94	71-120
79-00-5	1,1,2-Trichloroethane	25	23.7	95	80-114
127-18-4	Tetrachloroethylene	25	25.0	100	80-131
108-88-3	Toluene	25	27.6	110	86-116
79-01-6	Trichloroethylene	25	25.7	103	85-124
75-01-4	Vinyl chloride	25	22.3	89	57-153
1330-20-7	Xylene (total)	75	83.4	111	86-120

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2374-BS	B056663.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-13, F61167-18

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61215-1MS	C059041.D	1	11/06/08	LD	n/a	n/a	VC2395
F61215-1MSD	C059042.D	1	11/06/08	LD	n/a	n/a	VC2395
F61215-1	C059032.D	1	11/06/08	LD	n/a	n/a	VC2395

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-2, F61167-3, F61167-4, F61167-5, F61167-6

CAS No.	Compound	F61215-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	58.7	47*	56.2	45*	4	59-134/14
71-43-2	Benzene	ND		25	22.7	91	22.4	90	1	83-124/11
75-27-4	Bromodichloromethane	ND		25	21.8	87	21.6	86	1	76-116/10
75-25-2	Bromoform	ND		25	25.6	102	24.8	99	3	68-128/11
108-90-7	Chlorobenzene	ND		25	25.2	101	24.1	96	4	87-115/9
75-00-3	Chloroethane	ND		25	24.4	98	23.1	92	5	54-166/20
67-66-3	Chloroform	ND		25	24.0	96	23.0	92	4	85-123/10
75-15-0	Carbon disulfide	ND		25	25.0	100	24.2	97	3	67-147/12
56-23-5	Carbon tetrachloride	ND		25	27.2	109	25.9	104	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	24.1	96	23.2	93	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.1	108	25.1	100	8	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	22.5	90	21.8	87	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	21.2	85	20.9	84	1	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.7	99	24.5	98	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	21.4	86	21.4	86	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	21.4	86	21.3	85	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	24.2	97	22.7	91	6	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.9	108	25.4	102	6	87-123/10
100-41-4	Ethylbenzene	ND		25	26.3	105	25.1	100	5	87-118/10
591-78-6	2-Hexanone	ND		125	105	84	102	82	3	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	119	95	115	92	3	62-125/13
74-83-9	Methyl bromide	ND		25	22.8	91	20.9	84	9	55-151/21
74-87-3	Methyl chloride	ND		25	25.3	101	26.0	104	3	55-173/22
75-09-2	Methylene chloride	ND		25	22.8	91	21.6	86	5	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	84.1	67	80.7	65	4	61-127/13
100-42-5	Styrene	ND		25	23.9	96	23.1	92	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.4	106	25.2	101	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.3	97	23.9	96	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	23.2	93	22.4	90	4	80-114/11
127-18-4	Tetrachloroethylene	ND		25	26.7	107	25.3	101	5	80-131/12
108-88-3	Toluene	ND		25	25.7	103	24.7	99	4	86-116/10
79-01-6	Trichloroethylene	ND		25	21.7	87	21.1	84*	3	85-124/10
75-01-4	Vinyl chloride	ND		25	22.5	90	23.0	92	2	57-153/22
1330-20-7	Xylene (total)	ND		75	79.3	106	75.1	100	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61215-1MS	C059041.D	1	11/06/08	LD	n/a	n/a	VC2395
F61215-1MSD	C059042.D	1	11/06/08	LD	n/a	n/a	VC2395
F61215-1	C059032.D	1	11/06/08	LD	n/a	n/a	VC2395

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-2, F61167-3, F61167-4, F61167-5, F61167-6

CAS No.	Surrogate Recoveries	MS	MSD	F61215-1	Limits
1868-53-7	Dibromofluoromethane	104%	104%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	105%	107%	76-127%
2037-26-5	Toluene-D8	105%	104%	112%	86-112%
460-00-4	4-Bromofluorobenzene	95%	97%	105%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61089-8MS	B056624.D	1	11/06/08	LD	n/a	n/a	VB2372
F61089-8MSD	B056625.D	1	11/06/08	LD	n/a	n/a	VB2372
F61089-8	B056612.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12

CAS No.	Compound	F61089-8 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	69.4	56*	68.2	55*	2	59-134/14
71-43-2	Benzene	1.0 U		25	24.8	99	22.9	92	8	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	21.8	87	20.4	82	7	76-116/10
75-25-2	Bromoform	1.0 U		25	19.7	79	19.1	76	3	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	25.4	102	24.0	96	6	87-115/9
75-00-3	Chloroethane	2.0 U		25	28.0	112	26.5	106	6	54-166/20
67-66-3	Chloroform	1.0 U		25	24.8	99	23.0	92	8	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	24.6	98	23.2	93	6	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	26.6	106	25.1	100	6	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	26.7	107	24.7	99	8	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	25.8	103	22.5	90	14*	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	21.6	86	21.0	84	3	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	23.9	96	22.3	89	7	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	22.5	90	21.4	86	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	23.3	93	21.9	88	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	22.5	90	21.7	87	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	26.7	107	24.7	99	8	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	24.7	99	23.4	94	5	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	26.5	106	24.6	98	7	87-118/10
591-78-6	2-Hexanone	10 U		125	81.2	65	80.6	64	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	84.4	68	85.2	68	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	25.2	101	23.0	92	9	55-151/21
74-87-3	Methyl chloride	2.0 U		25	25.7	103	24.4	98	5	55-173/22
75-09-2	Methylene chloride	5.0 U		25	22.7	91	21.4	86	6	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	69.6	56*	72.4	58*	4	61-127/13
100-42-5	Styrene	1.0 U		25	23.0	92	21.2	85	8	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	27.3	109	25.3	101	8	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	20.9	84	20.7	83	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	21.7	87	21.1	84	3	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	24.0	96	21.9	88	9	80-131/12
108-88-3	Toluene	1.0 U		25	26.2	105	24.0	96	9	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	23.4	94	22.1	88	6	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	23.9	96	22.6	90	6	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	79.5	106	73.7	98	8	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61089-8MS	B056624.D	1	11/06/08	LD	n/a	n/a	VB2372
F61089-8MSD	B056625.D	1	11/06/08	LD	n/a	n/a	VB2372
F61089-8	B056612.D	1	11/06/08	LD	n/a	n/a	VB2372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12

CAS No.	Surrogate Recoveries	MS	MSD	F61089-8	Limits
1868-53-7	Dibromofluoromethane	101%	102%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	106%	105%	76-127%
2037-26-5	Toluene-D8	106%	104%	103%	86-112%
460-00-4	4-Bromofluorobenzene	101%	102%	105%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61167-14MS	B056644.D	1	11/07/08	LD	n/a	n/a	VB2373
F61167-14MSD	B056645.D	1	11/07/08	LD	n/a	n/a	VB2373
F61167-14	B056638.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-14, F61167-15, F61167-16, F61167-17, F61167-19, F61167-20, F61167-21, F61167-22, F61167-23

CAS No.	Compound	F61167-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	82.0	66	83.9	67	2	59-134/14
71-43-2	Benzene	ND		25	27.1	108	26.6	106	2	83-124/11
75-27-4	Bromodichloromethane	ND		25	23.6	94	23.6	94	0	76-116/10
75-25-2	Bromoform	ND		25	20.9	84	21.1	84	1	68-128/11
108-90-7	Chlorobenzene	ND		25	27.4	110	27.5	110	0	87-115/9
75-00-3	Chloroethane	ND		25	31.7	127	30.3	121	5	54-166/20
67-66-3	Chloroform	ND		25	27.4	110	27.2	109	1	85-123/10
75-15-0	Carbon disulfide	ND		25	27.1	108	25.5	102	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	29.4	118	27.4	110	7	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	30.0	120	28.9	116	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	28.2	113	27.6	110	2	75-133/13
107-06-2	1,2-Dichloroethane	0.36	J	25	25.0	99	23.5	93	6	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.2	105	26.0	104	1	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.2	97	25.0	100	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.0	100	25.3	101	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.1	96	24.5	98	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	29.7	119	28.5	114	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.7	107	26.8	107	0	87-123/10
100-41-4	Ethylbenzene	ND		25	28.2	113	27.5	110	3	87-118/10
591-78-6	2-Hexanone	ND		125	93.5	75	96.7	77	3	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	97.5	78	96.6	77	1	62-125/13
74-83-9	Methyl bromide	ND		25	28.5	114	27.9	112	2	55-151/21
74-87-3	Methyl chloride	ND		25	30.2	121	29.6	118	2	55-173/22
75-09-2	Methylene chloride	ND		25	26.3	105	26.2	105	0	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	81.7	65	83.2	67	2	61-127/13
100-42-5	Styrene	ND		25	24.8	99	24.3	97	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	29.5	118	28.0	112	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	22.7	91	22.7	91	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	23.7	95	24.2	97	2	80-114/11
127-18-4	Tetrachloroethylene	ND		25	25.4	102	24.8	99	2	80-131/12
108-88-3	Toluene	ND		25	28.0	112	27.9	112	0	86-116/10
79-01-6	Trichloroethylene	ND		25	25.5	102	24.7	99	3	85-124/10
75-01-4	Vinyl chloride	ND		25	26.5	106	25.2	101	5	57-153/22
1330-20-7	Xylene (total)	ND		75	85.3	114	83.2	111	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61167-14MS	B056644.D	1	11/07/08	LD	n/a	n/a	VB2373
F61167-14MSD	B056645.D	1	11/07/08	LD	n/a	n/a	VB2373
F61167-14	B056638.D	1	11/07/08	LD	n/a	n/a	VB2373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-14, F61167-15, F61167-16, F61167-17, F61167-19, F61167-20, F61167-21, F61167-22, F61167-23

CAS No.	Surrogate Recoveries	MS	MSD	F61167-14	Limits
1868-53-7	Dibromofluoromethane	103%	104%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	110%	107%	76-127%
2037-26-5	Toluene-D8	106%	107%	103%	86-112%
460-00-4	4-Bromofluorobenzene	100%	100%	107%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61206-2MS	B056679.D	1	11/10/08	LD	n/a	n/a	VB2374
F61206-2MSD	B056680.D	1	11/10/08	LD	n/a	n/a	VB2374
F61206-2	B056676.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-13, F61167-18

CAS No.	Compound	F61206-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	74.3	59	65.2	52*	13	59-134/14
71-43-2	Benzene	ND		25	24.6	98	23.4	94	5	83-124/11
75-27-4	Bromodichloromethane	ND		25	21.6	86	21.0	84	3	76-116/10
75-25-2	Bromoform	ND		25	18.1	72	18.1	72	0	68-128/11
108-90-7	Chlorobenzene	ND		25	24.8	99	23.8	95	4	87-115/9
75-00-3	Chloroethane	ND		25	28.1	112	28.2	113	0	54-166/20
67-66-3	Chloroform	ND		25	24.9	100	23.8	95	5	85-123/10
75-15-0	Carbon disulfide	ND		25	24.6	98	23.5	94	5	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.8	107	24.2	97	10	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.4	110	25.6	102	7	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	26.9	108	22.3	89	19*	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	22.5	90	22.1	88	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.2	97	23.1	92	5	81-120/11
124-48-1	Dibromochloromethane	ND		25	21.5	86	21.9	88	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	23.5	94	21.9	88	7	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.1	88	21.5	86	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.0	108	25.3	101	7	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	23.5	94	23.6	94	0	87-123/10
100-41-4	Ethylbenzene	ND		25	25.6	102	24.1	96	6	87-118/10
591-78-6	2-Hexanone	ND		125	77.2	62	84.6	68	9	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	83.5	67	88.5	71	6	62-125/13
74-83-9	Methyl bromide	ND		25	24.2	97	24.7	99	2	55-151/21
74-87-3	Methyl chloride	ND		25	23.2	93	22.4	90	4	55-173/22
75-09-2	Methylene chloride	ND		25	24.3	97	24.2	97	0	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	70.4	56*	75.1	60*	6	61-127/13
100-42-5	Styrene	ND		25	22.0	88	21.1	84	4	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	27.1	108	25.3	101	7	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	19.6	78	20.4	82	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	21.5	86	21.5	86	0	80-114/11
127-18-4	Tetrachloroethylene	ND		25	22.5	90	20.9	84	7	80-131/12
108-88-3	Toluene	ND		25	25.4	102	24.3	97	4	86-116/10
79-01-6	Trichloroethylene	ND		25	22.7	91	21.6	86	5	85-124/10
75-01-4	Vinyl chloride	ND		25	21.9	88	21.3	85	3	57-153/22
1330-20-7	Xylene (total)	ND		75	76.8	102	73.3	98	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61206-2MS	B056679.D	1	11/10/08	LD	n/a	n/a	VB2374
F61206-2MSD	B056680.D	1	11/10/08	LD	n/a	n/a	VB2374
F61206-2	B056676.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61167-13, F61167-18

CAS No.	Surrogate Recoveries	MS	MSD	F61206-2	Limits
1868-53-7	Dibromofluoromethane	103%	103%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	109%	109%	76-127%
2037-26-5	Toluene-D8	105%	105%	103%	86-112%
460-00-4	4-Bromofluorobenzene	100%	101%	106%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27002-MB	AA046152.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857

The QC reported here applies to the following samples: **Method:** EPA 610

F61167-1, F61167-2

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	98%	43-121%
92-94-4	p-Terphenyl	101%	30-122%

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27002-MB	EE058806.D	1	11/06/08	FEA	10/31/08	OP27002	GEE2145

The QC reported here applies to the following samples: **Method:** EPA 610

F61167-1, F61167-2

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	97%	43-121%
92-94-4	p-Terphenyl	100%	30-122%

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27011-MB	EE058833.D	1	11/07/08	FEA	10/31/08	OP27011	GEE2146

The QC reported here applies to the following samples: **Method:** EPA 610

F61167-3, F61167-4, F61167-5, F61167-6, F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12, F61167-13, F61167-14, F61167-15, F61167-16, F61167-17, F61167-18, F61167-19, F61167-20, F61167-21, F61167-22

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	43-121%
92-94-4	p-Terphenyl	87%	30-122%

Method Blank Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27011-MB	EE058890.D	1	11/10/08	FEA	10/31/08	OP27011	GEE2147

The QC reported here applies to the following samples: **Method:** EPA 610

F61167-3, F61167-4, F61167-5, F61167-6, F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12, F61167-13, F61167-14, F61167-15, F61167-16, F61167-17, F61167-18, F61167-19, F61167-20, F61167-21, F61167-22

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	85%	43-121%
92-94-4	p-Terphenyl	87%	30-122%

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27002-BS	AA046151.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857

The QC reported here applies to the following samples: **Method:** EPA 610

F61167-1, F61167-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	17.6	88	60-102
208-96-8	Acenaphthylene	20	19.1	96	66-108
120-12-7	Anthracene	10	9.4	94	64-107
56-55-3	Benzo(a)anthracene	10	9.9	99	70-108
50-32-8	Benzo(a)pyrene	10	9.6	96	72-115
205-99-2	Benzo(b)fluoranthene	10	10.0	100	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.8	98	69-113
207-08-9	Benzo(k)fluoranthene	10	9.9	99	70-111
218-01-9	Chrysene	10	9.9	99	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.8	98	71-114
206-44-0	Fluoranthene	20	19.0	95	68-110
86-73-7	Fluorene	20	18.1	91	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.5	95	69-110
91-20-3	Naphthalene	20	15.3	77	55-94
90-12-0	1-Methylnaphthalene	20	16.3	82	55-97
91-57-6	2-Methylnaphthalene	20	15.7	79	51-97
85-01-8	Phenanthrene	20	19.1	96	67-108
129-00-0	Pyrene	20	19.6	98	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	43-121%
92-94-4	p-Terphenyl	91%	30-122%

Blank Spike Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27011-BS	EE058832.D	1	11/07/08	FEA	10/31/08	OP27011	GEE2146

The QC reported here applies to the following samples: **Method:** EPA 610

F61167-3, F61167-4, F61167-5, F61167-6, F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12, F61167-13, F61167-14, F61167-15, F61167-16, F61167-17, F61167-18, F61167-19, F61167-20, F61167-21, F61167-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	16.6	83	60-102
208-96-8	Acenaphthylene	20	17.5	88	66-108
120-12-7	Anthracene	10	9.6	96	64-107
56-55-3	Benzo(a)anthracene	10	9.1	91	70-108
50-32-8	Benzo(a)pyrene	10	8.9	89	72-115
205-99-2	Benzo(b)fluoranthene	10	9.2	92	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.2	92	69-113
207-08-9	Benzo(k)fluoranthene	10	9.1	91	70-111
218-01-9	Chrysene	10	9.3	93	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.3	93	71-114
206-44-0	Fluoranthene	20	18.2	91	68-110
86-73-7	Fluorene	20	17.5	88	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.0	90	69-110
91-20-3	Naphthalene	20	14.4	72	55-94
90-12-0	1-Methylnaphthalene	20	15.1	76	55-97
91-57-6	2-Methylnaphthalene	20	14.8	74	51-97
85-01-8	Phenanthrene	20	18.6	93	67-108
129-00-0	Pyrene	20	18.8	94	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	43-121%
92-94-4	p-Terphenyl	88%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27002-MS	AA046159.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
OP27002-MSD	AA046160.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857
F61131-7 [a]	AA046158.D	1	11/05/08	FEA	10/31/08	OP27002	GAA1857

The QC reported here applies to the following samples: **Method:** EPA 610

F61167-1, F61167-2

CAS No.	Compound	F61131-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	34.9	91	36.4	95	4	60-102/33
208-96-8	Acenaphthylene	ND		38.5	41.6	108	43.0	112*	3	66-108/32
120-12-7	Anthracene	ND		19.2	18.3	95	19.4	101	6	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.0	99	20.1	105	6	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	18.6	97	19.7	102	6	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	19.3	100	20.4	106	6	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	18.8	98	19.9	103	6	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.0	99	20.1	105	6	70-111/21
218-01-9	Chrysene	ND		19.2	19.1	99	20.2	105	6	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	18.9	98	20.0	104	6	71-114/23
206-44-0	Fluoranthene	ND		38.5	36.5	95	38.7	101	6	68-110/17
86-73-7	Fluorene	ND		38.5	35.5	92	37.3	97	5	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	18.3	95	19.3	100	5	69-110/22
91-20-3	Naphthalene	3.0		38.5	33.6	80	34.7	82	3	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	32.8	85	33.9	88	3	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	31.8	83	32.7	85	3	51-97/25
85-01-8	Phenanthrene	ND		38.5	37.0	96	39.2	102	6	67-108/22
129-00-0	Pyrene	ND		38.5	37.7	98	40.0	104	6	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61131-7	Limits
84-15-1	o-Terphenyl	91%	98%	99%	43-121%
92-94-4	p-Terphenyl	88%	92%	90%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61167
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27011-MS	EE058853.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
OP27011-MSD	EE058854.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146
F61167-17	EE058852.D	1	11/08/08	FEA	10/31/08	OP27011	GEE2146

The QC reported here applies to the following samples: **Method:** EPA 610

F61167-3, F61167-4, F61167-5, F61167-6, F61167-7, F61167-8, F61167-9, F61167-10, F61167-11, F61167-12, F61167-13, F61167-14, F61167-15, F61167-16, F61167-17, F61167-18, F61167-19, F61167-20, F61167-21, F61167-22

CAS No.	Compound	F61167-17 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	29.8	77	31.6	82	6	60-102/33
208-96-8	Acenaphthylene	ND		38.5	31.6	82	32.9	86	4	66-108/32
120-12-7	Anthracene	ND		19.2	16.9	88	17.7	92	5	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	16.8	87	16.7	87	1	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	16.4	85	16.0	83	2	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	17.0	88	16.7	87	2	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	17.1	89	16.7	87	2	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	17.0	88	16.6	86	2	70-111/21
218-01-9	Chrysene	ND		19.2	17.2	89	17.1	89	1	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	17.4	90	17.0	88	2	71-114/23
206-44-0	Fluoranthene	ND		38.5	33.0	86	34.1	89	3	68-110/17
86-73-7	Fluorene	ND		38.5	31.0	81	32.9	86	6	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	16.8	87	16.5	86	2	69-110/22
91-20-3	Naphthalene	ND		38.5	26.4	69	27.3	71	3	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	27.4	71	29.0	75	6	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	27.1	70	28.5	74	5	51-97/25
85-01-8	Phenanthrene	ND		38.5	33.2	86	34.9	91	5	67-108/22
129-00-0	Pyrene	ND		38.5	34.2	89	35.2	92	3	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61167-17	Limits
84-15-1	o-Terphenyl	81%	82%	83%	43-121%
92-94-4	p-Terphenyl	75%	70%	76%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/14/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61206

Sampling Date: 10/28/08

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: **60**

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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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Sample Summary

Shaw E & I, Inc.

Job No: F61206

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61206-1	10/28/08	08:30	BD	10/29/08	AQ	Ground Water	USTHPFF-MW15
F61206-2	10/28/08	08:50	BD	10/29/08	AQ	Ground Water	USTHPFFC-MW66
F61206-3	10/28/08	09:25	BD	10/29/08	AQ	Ground Water	USTHPFFC-MW68
F61206-4	10/28/08	09:40	BD	10/29/08	AQ	Ground Water	USTHPFFC-MW40
F61206-5	10/28/08	10:10	BD	10/29/08	AQ	Ground Water	USTHPFFC-MW41
F61206-6	10/28/08	10:45	BD	10/29/08	AQ	Ground Water	IR78-GW16
F61206-7	10/28/08	12:55	BD	10/29/08	AQ	Ground Water	USTHPFFC-MW77
F61206-8	10/28/08	13:20	BD	10/29/08	AQ	Ground Water	USTHPFF-MW09
F61206-9	10/28/08	13:45	BD	10/29/08	AQ	Ground Water	USTHPFFC-MW63
F61206-10	10/28/08	00:00	BD	10/29/08	AQ	Trip Blank Water	TRIP BLANK 102808

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: USTHPFF-MW15
Lab Sample ID: F61206-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/28/08
Date Received: 10/29/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056702.D	50	11/11/08	LD	n/a	n/a	VB2375
Run #2	B056677.D	100	11/10/08	LD	n/a	n/a	VB2374

	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	94.5	50	20	ug/l	
75-27-4	Bromodichloromethane	ND	50	10	ug/l	
75-25-2	Bromoform	ND	50	17	ug/l	
108-90-7	Chlorobenzene	ND	50	11	ug/l	
75-00-3	Chloroethane	ND	100	24	ug/l	
67-66-3	Chloroform	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	100	20	ug/l	
56-23-5	Carbon tetrachloride	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	12	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	27	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	17	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	11	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	2550	50	22	ug/l	
591-78-6	2-Hexanone	ND	500	250	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	100	ug/l	
74-83-9	Methyl bromide	ND	100	39	ug/l	
74-87-3	Methyl chloride	ND	100	31	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	18	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	17	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	13	ug/l	
127-18-4	Tetrachloroethylene	ND	50	11	ug/l	
108-88-3	Toluene	2700	50	18	ug/l	
79-01-6	Trichloroethylene	ND	50	16	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:	F61206-1	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
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	15	ug/l	
1330-20-7	Xylene (total)	14600 [a]	300	120	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	109%	110%	76-127%
2037-26-5	Toluene-D8	102%	103%	86-112%
460-00-4	4-Bromofluorobenzene	99%	100%	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:	USTHPFF-MW15		
Lab Sample ID:	F61206-1	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058915.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2 [a]	EE058973.D	4	11/12/08	FEA	11/03/08	OP27029	GEE2149

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.15	0.19	0.048	ug/l	J
50-32-8	Benzo(a)pyrene	0.10	0.19	0.048	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.062	0.19	0.048	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	0.050	0.19	0.048	ug/l	J
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.57	1.9	0.48	ug/l	J
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	286 [b]	7.7	3.8	ug/l	
90-12-0	1-Methylnaphthalene	36.3	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	88.3	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	0.64	1.9	0.48	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	55%	54%	43-121%
92-94-4	p-Terphenyl	38%	38%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFFC-MW66		
Lab Sample ID:	F61206-2	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056676.D	1	11/10/08	LD	n/a	n/a	VB2374
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW66		
Lab Sample ID:	F61206-2	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		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:	USTHPFFC-MW66		
Lab Sample ID:	F61206-2	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058916.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		43-121%
92-94-4	p-Terphenyl	52%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW68		
Lab Sample ID:	F61206-3	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056678.D	1	11/10/08	LD	n/a	n/a	VB2374
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW68		
Lab Sample ID:	F61206-3	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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-MW68		
Lab Sample ID:	F61206-3	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058917.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		43-121%
92-94-4	p-Terphenyl	61%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW40		
Lab Sample ID:	F61206-4	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056681.D	1	11/10/08	LD	n/a	n/a	VB2374
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW40		
Lab Sample ID:	F61206-4	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW40		
Lab Sample ID:	F61206-4	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058918.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		43-121%
92-94-4	p-Terphenyl	69%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW41		
Lab Sample ID:	F61206-5	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056682.D	20	11/10/08	LD	n/a	n/a	VB2374
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	1250	20	8.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.0	ug/l	
75-25-2	Bromoform	ND	20	6.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.4	ug/l	
75-00-3	Chloroethane	ND	40	9.6	ug/l	
67-66-3	Chloroform	ND	20	5.6	ug/l	
75-15-0	Carbon disulfide	ND	40	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	4.8	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.8	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	4.2	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	9.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	549	20	8.6	ug/l	
591-78-6	2-Hexanone	ND	200	100	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	40	ug/l	
74-83-9	Methyl bromide	ND	40	16	ug/l	
74-87-3	Methyl chloride	ND	40	12	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
100-42-5	Styrene	ND	20	7.2	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	5.2	ug/l	
127-18-4	Tetrachloroethylene	ND	20	4.4	ug/l	
108-88-3	Toluene	11.4	20	7.0	ug/l	J
79-01-6	Trichloroethylene	ND	20	6.4	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-MW41		
Lab Sample ID:	F61206-5	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
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	6.0	ug/l	
1330-20-7	Xylene (total)	1360	60	23	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	108%		76-127%
2037-26-5	Toluene-D8	101%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW41		
Lab Sample ID:	F61206-5	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058919.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2 [a]	EE058974.D	2	11/12/08	FEA	11/03/08	OP27029	GEE2149

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	126 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	9.4	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	18.0	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%	79%	43-121%
92-94-4	p-Terphenyl	63%	63%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	IR78-GW16		
Lab Sample ID:	F61206-6	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056683.D	1	11/10/08	LD	n/a	n/a	VB2374
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW16		
Lab Sample ID:	F61206-6	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	110%		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 Laboratories

Report of Analysis

Client Sample ID:	IR78-GW16		
Lab Sample ID:	F61206-6	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058920.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		43-121%
92-94-4	p-Terphenyl	42%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW77		
Lab Sample ID:	F61206-7	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056684.D	1	11/10/08	LD	n/a	n/a	VB2374
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW77		
Lab Sample ID:	F61206-7	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	110%		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-MW77		
Lab Sample ID:	F61206-7	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058921.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	64%		43-121%
92-94-4	p-Terphenyl	41%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW09		
Lab Sample ID:	F61206-8	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056685.D	1	11/10/08	LD	n/a	n/a	VB2374
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW09		
Lab Sample ID:	F61206-8	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFF-MW09		
Lab Sample ID:	F61206-8	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058922.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	60%		43-121%
92-94-4	p-Terphenyl	40%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW63		
Lab Sample ID:	F61206-9	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056686.D	1	11/10/08	LD	n/a	n/a	VB2374
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW63		
Lab Sample ID:	F61206-9	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW63		
Lab Sample ID:	F61206-9	**Date Sampled:**	10/28/08
Matrix:	AQ - Ground Water	**Date Received:**	10/29/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058925.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		43-121%
92-94-4	p-Terphenyl	82%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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 102808
Lab Sample ID: F61206-10
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/28/08
Date Received: 10/29/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059096.D	1	11/10/08	LD	n/a	n/a	VC2397
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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 102808		
Lab Sample ID:	F61206-10	**Date Sampled:**	10/28/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/29/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		76-127%
2037-26-5	Toluene-D8	107%		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:

- Certification Exceptions
- Chain of Custody

CHAIN-OF-CUSTODY RECORD F61206

COC Number: 125709-HPFF-102808-1

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	PO Number
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	

Project Number	Contact
125709	Mark Martin

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	Analysis Desired: PAH 610
1	USTHPFF-MW15	10/28/08	8:30		X	USTHPFF-MW15	5	X	X
2	USTHPFFC-MW66	10/28/08	8:50		X	USTHPFFC-MW66	5	X	X
3	USTHPFFC-MW68	10/28/08	9:25		X	USTHPFFC-MW68	5	X	X
4	USTHPFFC-MW40	10/28/08	9:40		X	USTHPFFC-MW40	5	X	X
5	USTHPFFC-MW41	10/28/08	10:10		X	USTHPFFC-MW41	5	X	X
6	IR78-GW16	10/28/08	10:45		X	IR78-GW16	5	X	X
7	USTHPFFC-MW77	10/28/08	12:55		X	USTHPFFC-MW77	5	X	X
8	USTHPFF-MW09	10/28/08	13:20		X	USTHPFF-MW09	5	X	X
9	USTHPFFC-MW63	10/28/08	13:45		X	USTHPFFC-MW63	5	X	X
10	Trip Blank 102808	10/28/08	—		X	Trip Blank 102708	2	X	

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 10	[signature]	FedEx		17:00
2		fx	[signature]	10.29.08	0730
3					

Remarks

14 Day TAT

FedEx 8668 3649 8123, 8668 3649 8134

2.0 2.0

F61206: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61206 CLIENT: TetraTech PROJECT: ~~DAAD~~ Camp Lejeune - HPFF

DATE/TIME RECEIVED: 10-29-08 09:30 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 2.0 2.4

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3649 8134

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)
- [ ] 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 E.T. 10.29.08 TECHNICIAN SIGNATURE/DATE JC 10-29-08 ASBD 12/17/07

F61206: Chain of Custody
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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: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2374-MB	B056664.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2374-MB	B056664.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	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	105%	84-120%

Method Blank Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2397-MB	C059084.D	1	11/10/08	LD	n/a	n/a	VC2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2397-MB	C059084.D	1	11/10/08	LD	n/a	n/a	VC2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	87-116%
17060-07-0	1,2-Dichloroethane-D4	89%	76-127%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	108%	84-120%

Method Blank Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2375-MB	B056692.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2375-MB	B056692.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1

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	102%	86-112%
460-00-4	4-Bromofluorobenzene	107%	84-120%

Blank Spike Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2374-BS	B056663.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

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	27.3	109	83-124
75-27-4	Bromodichloromethane	25	24.3	97	76-116
75-25-2	Bromoform	25	21.4	86	68-128
108-90-7	Chlorobenzene	25	27.3	109	87-115
75-00-3	Chloroethane	25	30.6	122	54-166
67-66-3	Chloroform	25	27.5	110	85-123
75-15-0	Carbon disulfide	25	27.4	110	67-147
56-23-5	Carbon tetrachloride	25	29.7	119	74-139
75-34-3	1,1-Dichloroethane	25	30.4	122	82-127
75-35-4	1,1-Dichloroethylene	25	26.5	106	75-133
107-06-2	1,2-Dichloroethane	25	25.1	100	76-122
78-87-5	1,2-Dichloropropane	25	26.4	106	81-120
124-48-1	Dibromochloromethane	25	24.1	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.7	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.7	103	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.7	119	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.9	108	87-123
100-41-4	Ethylbenzene	25	27.8	111	87-118
591-78-6	2-Hexanone	125	108	86	58-125
108-10-1	4-Methyl-2-pentanone	125	103	82	62-125
74-83-9	Methyl bromide	25	26.8	107	55-151
74-87-3	Methyl chloride	25	24.1	96	55-173
75-09-2	Methylene chloride	25	29.0	116	69-125
78-93-3	Methyl ethyl ketone	125	102	82	61-127
100-42-5	Styrene	25	24.4	98	78-118
71-55-6	1,1,1-Trichloroethane	25	29.4	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.4	94	71-120
79-00-5	1,1,2-Trichloroethane	25	23.7	95	80-114
127-18-4	Tetrachloroethylene	25	25.0	100	80-131
108-88-3	Toluene	25	27.6	110	86-116
79-01-6	Trichloroethylene	25	25.7	103	85-124
75-01-4	Vinyl chloride	25	22.3	89	57-153
1330-20-7	Xylene (total)	75	83.4	111	86-120

Blank Spike Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2374-BS	B056663.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Blank Spike Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2397-BS	C059083.D	1	11/10/08	LD	n/a	n/a	VC2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	98.8	79	59-134
71-43-2	Benzene	25	23.7	95	83-124
75-27-4	Bromodichloromethane	25	23.1	92	76-116
75-25-2	Bromoform	25	25.6	102	68-128
108-90-7	Chlorobenzene	25	25.2	101	87-115
75-00-3	Chloroethane	25	22.9	92	54-166
67-66-3	Chloroform	25	25.3	101	85-123
75-15-0	Carbon disulfide	25	26.8	107	67-147
56-23-5	Carbon tetrachloride	25	28.0	112	74-139
75-34-3	1,1-Dichloroethane	25	25.7	103	82-127
75-35-4	1,1-Dichloroethylene	25	28.8	115	75-133
107-06-2	1,2-Dichloroethane	25	24.7	99	76-122
78-87-5	1,2-Dichloropropane	25	22.3	89	81-120
124-48-1	Dibromochloromethane	25	25.2	101	74-116
156-59-2	cis-1,2-Dichloroethylene	25	21.8	87	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.8	95	83-119
156-60-5	trans-1,2-Dichloroethylene	25	25.9	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.2	109	87-123
100-41-4	Ethylbenzene	25	26.6	106	87-118
591-78-6	2-Hexanone	125	123	98	58-125
108-10-1	4-Methyl-2-pentanone	125	127	102	62-125
74-83-9	Methyl bromide	25	21.8	87	55-151
74-87-3	Methyl chloride	25	23.6	94	55-173
75-09-2	Methylene chloride	25	28.0	112	69-125
78-93-3	Methyl ethyl ketone	125	107	86	61-127
100-42-5	Styrene	25	24.4	98	78-118
71-55-6	1,1,1-Trichloroethane	25	27.3	109	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	25.9	104	80-131
108-88-3	Toluene	25	26.0	104	86-116
79-01-6	Trichloroethylene	25	22.8	91	85-124
75-01-4	Vinyl chloride	25	22.2	89	57-153
1330-20-7	Xylene (total)	75	80.4	107	86-120

Blank Spike Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2397-BS	C059083.D	1	11/10/08	LD	n/a	n/a	VC2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	113%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2375-BS	B056691.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	127	102	59-134
71-43-2	Benzene	25	28.0	112	83-124
75-27-4	Bromodichloromethane	25	24.5	98	76-116
75-25-2	Bromoform	25	20.6	82	68-128
108-90-7	Chlorobenzene	25	27.5	110	87-115
75-00-3	Chloroethane	25	30.8	123	54-166
67-66-3	Chloroform	25	28.0	112	85-123
75-15-0	Carbon disulfide	25	28.4	114	67-147
56-23-5	Carbon tetrachloride	25	30.4	122	74-139
75-34-3	1,1-Dichloroethane	25	31.2	125	82-127
75-35-4	1,1-Dichloroethylene	25	27.2	109	75-133
107-06-2	1,2-Dichloroethane	25	24.9	100	76-122
78-87-5	1,2-Dichloropropane	25	27.3	109	81-120
124-48-1	Dibromochloromethane	25	24.1	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.7	107	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.1	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	30.7	123	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.8	107	87-123
100-41-4	Ethylbenzene	25	28.3	113	87-118
591-78-6	2-Hexanone	125	118	94	58-125
108-10-1	4-Methyl-2-pentanone	125	104	83	62-125
74-83-9	Methyl bromide	25	27.4	110	55-151
74-87-3	Methyl chloride	25	23.7	95	55-173
75-09-2	Methylene chloride	25	27.7	111	69-125
78-93-3	Methyl ethyl ketone	125	119	95	61-127
100-42-5	Styrene	25	24.4	98	78-118
71-55-6	1,1,1-Trichloroethane	25	30.1	120	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.8	95	71-120
79-00-5	1,1,2-Trichloroethane	25	24.0	96	80-114
127-18-4	Tetrachloroethylene	25	25.3	101	80-131
108-88-3	Toluene	25	28.1	112	86-116
79-01-6	Trichloroethylene	25	26.0	104	85-124
75-01-4	Vinyl chloride	25	22.8	91	57-153

Blank Spike Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2375-BS	B056691.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61206-2MS	B056679.D	1	11/10/08	LD	n/a	n/a	VB2374
F61206-2MSD	B056680.D	1	11/10/08	LD	n/a	n/a	VB2374
F61206-2	B056676.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

CAS No.	Compound	F61206-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	74.3	59	65.2	52*	13	59-134/14
71-43-2	Benzene	ND		25	24.6	98	23.4	94	5	83-124/11
75-27-4	Bromodichloromethane	ND		25	21.6	86	21.0	84	3	76-116/10
75-25-2	Bromoform	ND		25	18.1	72	18.1	72	0	68-128/11
108-90-7	Chlorobenzene	ND		25	24.8	99	23.8	95	4	87-115/9
75-00-3	Chloroethane	ND		25	28.1	112	28.2	113	0	54-166/20
67-66-3	Chloroform	ND		25	24.9	100	23.8	95	5	85-123/10
75-15-0	Carbon disulfide	ND		25	24.6	98	23.5	94	5	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.8	107	24.2	97	10	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.4	110	25.6	102	7	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	26.9	108	22.3	89	19*	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	22.5	90	22.1	88	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.2	97	23.1	92	5	81-120/11
124-48-1	Dibromochloromethane	ND		25	21.5	86	21.9	88	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	23.5	94	21.9	88	7	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.1	88	21.5	86	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.0	108	25.3	101	7	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	23.5	94	23.6	94	0	87-123/10
100-41-4	Ethylbenzene	ND		25	25.6	102	24.1	96	6	87-118/10
591-78-6	2-Hexanone	ND		125	77.2	62	84.6	68	9	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	83.5	67	88.5	71	6	62-125/13
74-83-9	Methyl bromide	ND		25	24.2	97	24.7	99	2	55-151/21
74-87-3	Methyl chloride	ND		25	23.2	93	22.4	90	4	55-173/22
75-09-2	Methylene chloride	ND		25	24.3	97	24.2	97	0	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	70.4	56*	75.1	60*	6	61-127/13
100-42-5	Styrene	ND		25	22.0	88	21.1	84	4	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	27.1	108	25.3	101	7	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	19.6	78	20.4	82	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	21.5	86	21.5	86	0	80-114/11
127-18-4	Tetrachloroethylene	ND		25	22.5	90	20.9	84	7	80-131/12
108-88-3	Toluene	ND		25	25.4	102	24.3	97	4	86-116/10
79-01-6	Trichloroethylene	ND		25	22.7	91	21.6	86	5	85-124/10
75-01-4	Vinyl chloride	ND		25	21.9	88	21.3	85	3	57-153/22
1330-20-7	Xylene (total)	ND		75	76.8	102	73.3	98	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61206-2MS	B056679.D	1	11/10/08	LD	n/a	n/a	VB2374
F61206-2MSD	B056680.D	1	11/10/08	LD	n/a	n/a	VB2374
F61206-2	B056676.D	1	11/10/08	LD	n/a	n/a	VB2374

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

CAS No.	Surrogate Recoveries	MS	MSD	F61206-2	Limits
1868-53-7	Dibromofluoromethane	103%	103%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	109%	109%	76-127%
2037-26-5	Toluene-D8	105%	105%	103%	86-112%
460-00-4	4-Bromofluorobenzene	100%	101%	106%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61294-28MS	C059098.D	500	11/10/08	LD	n/a	n/a	VC2397
F61294-28MSD	C059099.D	500	11/10/08	LD	n/a	n/a	VC2397
F61294-28	C059097.D	500	11/10/08	LD	n/a	n/a	VC2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-10

CAS No.	Compound	F61294-28 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		62500	29500	47*	33800	54*	14	59-134/14
71-43-2	Benzene	27800		12500	38700	87	40200	99	4	83-124/11
75-27-4	Bromodichloromethane	ND		12500	11800	94	12200	98	3	76-116/10
75-25-2	Bromoform	ND		12500	13900	111	13900	111	0	68-128/11
108-90-7	Chlorobenzene	ND		12500	12900	103	13400	107	4	87-115/9
75-00-3	Chloroethane	ND		12500	12300	98	12400	99	1	54-166/20
67-66-3	Chloroform	ND		12500	12900	103	13400	107	4	85-123/10
75-15-0	Carbon disulfide	ND		12500	13600	109	12900	103	5	67-147/12
56-23-5	Carbon tetrachloride	ND		12500	14200	114	14900	119	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		12500	12800	102	13600	109	6	82-127/10
75-35-4	1,1-Dichloroethylene	ND		12500	14700	118	14500	116	1	75-133/13
107-06-2	1,2-Dichloroethane	ND		12500	12600	101	13000	104	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		12500	11000	88	12100	97	10	81-120/11
124-48-1	Dibromochloromethane	ND		12500	13100	105	13600	109	4	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		12500	11100	89	11900	95	7	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		12500	11700	94	12400	99	6	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		12500	12900	103	13600	109	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		12500	14100	113	14200	114	1	87-123/10
100-41-4	Ethylbenzene	3600		12500	17400	110	17700	113	2	87-118/10
591-78-6	2-Hexanone	ND		62500	59900	96	62900	101	5	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		62500	67000	107	69500	111	4	62-125/13
74-83-9	Methyl bromide	ND		12500	10100	81	11800	94	16	55-151/21
74-87-3	Methyl chloride	ND		12500	10700	86	12400	99	15	55-173/22
75-09-2	Methylene chloride	ND		12500	13100	105	13800	110	5	69-125/11
78-93-3	Methyl ethyl ketone	ND		62500	44400	71	47900	77	8	61-127/13
100-42-5	Styrene	ND		12500	12900	103	13300	106	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		12500	13900	111	14600	117	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		12500	13000	104	13400	107	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		12500	12200	98	12600	101	3	80-114/11
127-18-4	Tetrachloroethylene	ND		12500	13300	106	13600	109	2	80-131/12
108-88-3	Toluene	42800		12500	51600	70* [a]	53400	85* [a]	3	86-116/10
79-01-6	Trichloroethylene	ND		12500	11600	93	12100	97	4	85-124/10
75-01-4	Vinyl chloride	ND		12500	10900	87	11600	93	6	57-153/22
1330-20-7	Xylene (total)	15700		37500	58900	115	60700	120	3	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61294-28MS	C059098.D	500	11/10/08	LD	n/a	n/a	VC2397
F61294-28MSD	C059099.D	500	11/10/08	LD	n/a	n/a	VC2397
F61294-28	C059097.D	500	11/10/08	LD	n/a	n/a	VC2397

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-10

CAS No.	Surrogate Recoveries	MS	MSD	F61294-28	Limits
1868-53-7	Dibromofluoromethane	107%	107%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	114%	112%	109%	76-127%
2037-26-5	Toluene-D8	103%	103%	105%	86-112%
460-00-4	4-Bromofluorobenzene	96%	96%	103%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61220-8MS	B056703.D	1	11/11/08	LD	n/a	n/a	VB2375
F61220-8MSD	B056704.D	1	11/11/08	LD	n/a	n/a	VB2375
F61220-8	B056693.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1

CAS No.	Compound	F61220-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	77.7	62	79.2	63	2	59-134/14
71-43-2	Benzene	ND		25	26.1	104	24.5	98	6	83-124/11
75-27-4	Bromodichloromethane	ND		25	22.9	92	21.6	86	6	76-116/10
75-25-2	Bromoform	ND		25	18.6	74	17.8	71	4	68-128/11
108-90-7	Chlorobenzene	ND		25	25.8	103	24.0	96	7	87-115/9
75-00-3	Chloroethane	ND		25	29.5	118	26.6	106	10	54-166/20
67-66-3	Chloroform	ND		25	26.1	104	24.7	99	6	85-123/10
75-15-0	Carbon disulfide	ND		25	26.2	105	24.7	99	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	27.9	112	27.0	108	3	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.6	114	27.0	108	6	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	28.9	116	27.7	111	4	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	23.4	94	22.5	90	4	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.1	100	24.2	97	4	81-120/11
124-48-1	Dibromochloromethane	ND		25	22.6	90	21.4	86	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.4	98	22.9	92	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.0	92	22.0	88	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	29.0	116	27.0	108	7	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.3	97	23.0	92	5	87-123/10
100-41-4	Ethylbenzene	ND		25	26.4	106	24.5	98	7	87-118/10
591-78-6	2-Hexanone	ND		125	79.1	63	79.8	64	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	90.6	72	87.7	70	3	62-125/13
74-83-9	Methyl bromide	ND		25	25.9	104	23.7	95	9	55-151/21
74-87-3	Methyl chloride	ND		25	23.6	94	21.4	86	10	55-173/22
75-09-2	Methylene chloride	ND		25	25.9	104	23.9	96	8	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	77.6	62	78.1	62	1	61-127/13
100-42-5	Styrene	ND		25	22.9	92	21.0	84	9	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	28.6	114	26.9	108	6	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	21.1	84	20.3	81	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.3	89	21.6	86	3	80-114/11
127-18-4	Tetrachloroethylene	ND		25	23.2	93	21.6	86	7	80-131/12
108-88-3	Toluene	ND		25	26.0	104	24.4	98	6	86-116/10
79-01-6	Trichloroethylene	ND		25	23.7	95	22.4	90	6	85-124/10
75-01-4	Vinyl chloride	ND		25	23.2	93	21.7	87	7	57-153/22

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61220-8MS	B056703.D	1	11/11/08	LD	n/a	n/a	VB2375
F61220-8MSD	B056704.D	1	11/11/08	LD	n/a	n/a	VB2375
F61220-8	B056693.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61206-1

CAS No.	Surrogate Recoveries	MS	MSD	F61220-8	Limits
1868-53-7	Dibromofluoromethane	104%	104%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	111%	108%	76-127%
2037-26-5	Toluene-D8	103%	103%	102%	86-112%
460-00-4	4-Bromofluorobenzene	102%	101%	107%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27029-MB	EE058914.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148

The QC reported here applies to the following samples: **Method:** EPA 610

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	76%	43-121%
92-94-4	p-Terphenyl	80%	30-122%

Method Blank Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27029-MB	EE058972.D	1	11/12/08	FEA	11/03/08	OP27029	GEE2149

The QC reported here applies to the following samples: **Method:** EPA 610

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	77%	43-121%
92-94-4	p-Terphenyl	81%	30-122%

Blank Spike Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27029-BS	EE058913.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148

The QC reported here applies to the following samples: **Method:** EPA 610

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	15.8	79	60-102
208-96-8	Acenaphthylene	20	17.4	87	66-108
120-12-7	Anthracene	10	9.0	90	64-107
56-55-3	Benzo(a)anthracene	10	8.9	89	70-108
50-32-8	Benzo(a)pyrene	10	9.2	92	72-115
205-99-2	Benzo(b)fluoranthene	10	9.0	90	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.2	92	69-113
207-08-9	Benzo(k)fluoranthene	10	8.9	89	70-111
218-01-9	Chrysene	10	9.2	92	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.2	92	71-114
206-44-0	Fluoranthene	20	17.5	88	68-110
86-73-7	Fluorene	20	16.5	83	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.0	90	69-110
91-20-3	Naphthalene	20	13.6	68	55-94
90-12-0	1-Methylnaphthalene	20	14.4	72	55-97
91-57-6	2-Methylnaphthalene	20	14.1	71	51-97
85-01-8	Phenanthrene	20	17.6	88	67-108
129-00-0	Pyrene	20	18.1	91	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	84%	43-121%
92-94-4	p-Terphenyl	86%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61206
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27029-MS	EE058927.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
OP27029-MSD	EE058928.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
F61220-1	EE058926.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148

The QC reported here applies to the following samples: **Method:** EPA 610

F61206-1, F61206-2, F61206-3, F61206-4, F61206-5, F61206-6, F61206-7, F61206-8, F61206-9

CAS No.	Compound	F61220-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	31.7	82	28.3	74	11	60-102/33
208-96-8	Acenaphthylene	ND		38.5	33.3	87	29.6	77	12	66-108/32
120-12-7	Anthracene	ND		19.2	18.0	94	16.3	85	10	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	17.4	90	17.3	90	1	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	17.6	92	17.7	92	1	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	17.4	90	17.5	91	1	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	17.8	93	17.9	93	1	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	17.3	90	17.4	90	1	70-111/21
218-01-9	Chrysene	ND		19.2	17.8	93	17.7	92	1	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	17.8	93	17.9	93	1	71-114/23
206-44-0	Fluoranthene	ND		38.5	34.7	90	33.6	87	3	68-110/17
86-73-7	Fluorene	ND		38.5	32.8	85	29.1	76	12	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	17.3	90	17.4	90	1	69-110/22
91-20-3	Naphthalene	ND		38.5	27.5	71	25.0	65	10	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	29.3	76	26.4	69	10	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	28.8	75	26.0	68	10	51-97/25
85-01-8	Phenanthrene	ND		38.5	35.0	91	31.9	83	9	67-108/22
129-00-0	Pyrene	ND		38.5	36.0	94	35.0	91	3	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61220-1	Limits
84-15-1	o-Terphenyl	80%	72%	74%	43-121%
92-94-4	p-Terphenyl	74%	73%	68%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/19/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61220

Sampling Date: 10/29/08

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **88**

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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

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Client Service contact: Heather Wandrey 407-425-6700

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Test results relate only to samples analyzed.

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Sample Summary

Shaw E & I, Inc.

Job No: F61220

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61220-1	10/29/08	14:15	BR	10/30/08	AQ	Ground Water	USTHPFFC-MW69
F61220-2	10/29/08	14:45	BR	10/30/08	AQ	Ground Water	USTHPFF-MW03
F61220-3	10/29/08	09:00	BR	10/30/08	AQ	Ground Water	IR78-GW17-1
F61220-4	10/29/08	09:30	BR	10/30/08	AQ	Ground Water	USTHPFFC-MW34
F61220-5	10/29/08	09:55	BR	10/30/08	AQ	Ground Water	USTHPFFC-MW35
F61220-6	10/29/08	10:20	BR	10/30/08	AQ	Ground Water	USTHPFFC-MW36
F61220-7	10/29/08	11:10	BR	10/30/08	AQ	Ground Water	IR78-GW14
F61220-8	10/29/08	08:45	BR	10/30/08	AQ	Ground Water	IR78-GW12
F61220-9	10/29/08	09:15	BR	10/30/08	AQ	Ground Water	IR78-GW31-2
F61220-10	10/29/08	09:35	BR	10/30/08	AQ	Ground Water	IR78-GW31-3
F61220-11	10/29/08	10:00	BR	10/30/08	AQ	Ground Water	USTHPFFC-MW57
F61220-12	10/29/08	10:20	BR	10/30/08	AQ	Ground Water	USTHPFFC-MW37
F61220-13	10/29/08	13:35	BR	10/30/08	AQ	Ground Water	USTHPFF-MW04

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F61220

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61220-14	10/29/08	11:10	BR	10/30/08	AQ	Ground Water	USTHPFFC-MW76
F61220-15	10/29/08	10:45	BR	10/30/08	AQ	Ground Water	UST1115-MW01
F61220-16	10/29/08	00:00	BR	10/30/08	AQ	Trip Blank Water	TRIP BLANK 102908

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW69		
Lab Sample ID:	F61220-1	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052298.D	1	11/11/08	MM	n/a	n/a	VH1947
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW69		
Lab Sample ID:	F61220-1	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	97%		76-127%
2037-26-5	Toluene-D8	100%		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:	USTHPFFC-MW69		
Lab Sample ID:	F61220-1	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058926.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		43-121%
92-94-4	p-Terphenyl	68%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW03		
Lab Sample ID:	F61220-2	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052299.D	1	11/11/08	MM	n/a	n/a	VH1947
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW03		
Lab Sample ID:	F61220-2	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	101%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFF-MW03		
Lab Sample ID:	F61220-2	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058929.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		43-121%
92-94-4	p-Terphenyl	86%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW17-1		
Lab Sample ID:	F61220-3	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052300.D	1	11/11/08	MM	n/a	n/a	VH1947
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW17-1		
Lab Sample ID:	F61220-3	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	101%		76-127%
2037-26-5	Toluene-D8	96%		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 Laboratories

Report of Analysis

Client Sample ID:	IR78-GW17-1		
Lab Sample ID:	F61220-3	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058930.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	67%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW34		
Lab Sample ID:	F61220-4	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052301.D	1	11/11/08	MM	n/a	n/a	VH1947
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.46	1.0	0.32	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-MW34		
Lab Sample ID:	F61220-4	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	120%		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	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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW34		
Lab Sample ID:	F61220-4	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058931.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		43-121%
92-94-4	p-Terphenyl	78%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW35		
Lab Sample ID:	F61220-5	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052302.D	1	11/11/08	MM	n/a	n/a	VH1947
Run #2 [a]	H052347.D	1	11/12/08	MM	n/a	n/a	VH1949

	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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	1.0	1.0	0.32	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-MW35		
Lab Sample ID:	F61220-5	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	124% [b]	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	100%	76-127%
2037-26-5	Toluene-D8	98%	97%	86-112%
460-00-4	4-Bromofluorobenzene	94%	93%	84-120%

(a) Confirmation run.
(b) Outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW35		
Lab Sample ID:	F61220-5	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058932.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		43-121%
92-94-4	p-Terphenyl	72%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61220-6	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052329.D	1	11/12/08	MM	n/a	n/a	VH1949
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61220-6	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	98%		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:	USTHPFFC-MW36		
Lab Sample ID:	F61220-6	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058933.D	1	11/12/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		43-121%
92-94-4	p-Terphenyl	80%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW14		
Lab Sample ID:	F61220-7	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052330.D	1	11/12/08	MM	n/a	n/a	VH1949
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW14		
Lab Sample ID:	F61220-7	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	99%		76-127%
2037-26-5	Toluene-D8	98%		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 Laboratories

Report of Analysis

Client Sample ID:	IR78-GW14		
Lab Sample ID:	F61220-7	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058934.D	1	11/12/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		43-121%
92-94-4	p-Terphenyl	67%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW12		
Lab Sample ID:	F61220-8	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056693.D	1	11/11/08	LD	n/a	n/a	VB2375
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW12		
Lab Sample ID:	F61220-8	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	108%		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 Laboratories

Report of Analysis

Client Sample ID:	IR78-GW12		
Lab Sample ID:	F61220-8	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058937.D	1	11/12/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		43-121%
92-94-4	p-Terphenyl	57%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW31-2		
Lab Sample ID:	F61220-9	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056694.D	1	11/11/08	LD	n/a	n/a	VB2375
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW31-2		
Lab Sample ID:	F61220-9	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	107%		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 Laboratories

Report of Analysis

Client Sample ID:	IR78-GW31-2		
Lab Sample ID:	F61220-9	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058938.D	1	11/12/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	83%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW31-3		
Lab Sample ID:	F61220-10	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056695.D	1	11/11/08	LD	n/a	n/a	VB2375
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW31-3		
Lab Sample ID:	F61220-10	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	108%		76-127%
2037-26-5	Toluene-D8	103%		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:	IR78-GW31-3		
Lab Sample ID:	F61220-10	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058939.D	1	11/12/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		43-121%
92-94-4	p-Terphenyl	81%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW57		
Lab Sample ID:	F61220-11	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056696.D	1	11/11/08	LD	n/a	n/a	VB2375
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	4.5	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	21.9	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.70	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	2.6	1.0	0.32	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-MW57		
Lab Sample ID:	F61220-11	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW57		
Lab Sample ID:	F61220-11	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058940.D	1	11/12/08	FEA	11/03/08	OP27029	GEE2148
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.053	0.19	0.048	ug/l	J
50-32-8	Benzo(a)pyrene	0.095	0.19	0.048	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.089	0.19	0.048	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.065	0.19	0.048	ug/l	J
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		43-121%
92-94-4	p-Terphenyl	65%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW37		
Lab Sample ID:	F61220-12	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056697.D	1	11/11/08	LD	n/a	n/a	VB2375
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	0.84	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	2.0	1.0	0.32	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-MW37		
Lab Sample ID:	F61220-12	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	112%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW37		
Lab Sample ID:	F61220-12	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE059022.D	1	11/14/08	FEA	11/04/08	OP27036	GEE2150
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	57%		43-121%
92-94-4	p-Terphenyl	36%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW04		
Lab Sample ID:	F61220-13	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056698.D	1	11/11/08	LD	n/a	n/a	VB2375
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.43	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW04		
Lab Sample ID:	F61220-13	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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:	USTHPFF-MW04		
Lab Sample ID:	F61220-13	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046339.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	73%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61220-14	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056699.D	1	11/11/08	LD	n/a	n/a	VB2375
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5.9	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	89.2	1.0	0.32	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:	F61220-14	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	110%		76-127%
2037-26-5	Toluene-D8	104%		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-MW76		
Lab Sample ID:	F61220-14	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046340.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		43-121%
92-94-4	p-Terphenyl	55%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61220-15	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056700.D	1	11/11/08	LD	n/a	n/a	VB2375
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	0.45	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61220-15	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	113%		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 Laboratories

Report of Analysis

Client Sample ID:	UST1115-MW01		
Lab Sample ID:	F61220-15	**Date Sampled:**	10/29/08
Matrix:	AQ - Ground Water	**Date Received:**	10/30/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046341.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		43-121%
92-94-4	p-Terphenyl	71%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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 102908
Lab Sample ID: F61220-16
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/29/08
Date Received: 10/30/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056701.D	1	11/11/08	LD	n/a	n/a	VB2375
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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 102908		
Lab Sample ID:	F61220-16	**Date Sampled:**	10/29/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/30/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	111%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

CHAIN-OF-CUSTODY RECORD F61220

COC Number: 125709-HPFF-102908-1

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	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin		US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610	Analysis Desired
1	USTHPFFC-MW69	10/29/08	14:15		X	USTHPFFC-MW69	5	X	X	
2	USTHPFF-MW03	10/29/08	14:45		X	USTHPFF-MW03	5	X	X	
3	IR78-GW17-1	10/29/08	9:00		X	IR78-GW17-1	5	X	X	
4	USTHPFFC-MW34	10/29/08	9:30		X	USTHPFFC-MW34	5	X	X	
5	USTHPFFC-MW35	10/29/08	9:55		X	USTHPFFC-MW35	5	X	X	
6	USTHPFFC-MW36	10/29/08	10:20		X	USTHPFFC-MW36	5	X	X	
7	IR78-GW14	10/29/08	11:10		X	IR78-GW14	5	X	X	
8	IR78-GW12	10/29/08	8:45		X	IR78-GW12	5	X	X	
9	IR78-GW31-2	10/29/08	9:15		X	IR78-GW31-2	5	X	X	
10	IR78-GW31-3	10/29/08	9:35		X	IR78-GW31-3	5	X	X	

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 10		FedEx		17:00
2		FX		10-30-08	05:30
3					

Remarks

14 Day TAT

FedEx 8668 3649 7024, 8668 3649 7035, 8668 3649 7046, 8668 3649 7057

2.4 2.0
2.0 2.2

F61220: Chain of Custody
Page 1 of 3

CHAIN-OF-CUSTODY RECORD F61220

COC Number:
125709-HPFF-102908-2

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	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin		US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610	Analysis Desired
1	USTHPFFC-MW57	10/29/08	10:00		X	USTHPFFC-MW57	5	X	X	
2	USTHPFFC-MW37	10/29/08	10:20		X	USTHPFFC-MW37	5	X	X	
3	USTHPFF-MW04	10/29/08	13:35		X	USTHPFF-MW04	5	X	X	
4	USTHPFFC-MW76	10/29/08	11:10		X	USTHPFFC-MW76	5	X	X	
5	UST1115-MW01	10/29/08	10:45		X	UST1115-MW01	5	X	X	
6	Trip Blank 102908	10/29/08			X	Trip Blank 10/29/08	2	X		
7										
8										
9										
10	Trip Blank 102808									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 6	[signature]	FedEx		17:00
2		[signature]	[signature]	10/30/08	09:30
3					

Remarks

14 Day TAT

FedEx 8668 3649 7046, 8668 3649 7057, 8668 3649 7035, 8668 3649 7024

2420
2022

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61220 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 10.30.08 09:30 # OF COOLERS RECEIVED: 4 COOLER TEMPS: 2.4.2.D2022

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

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
- [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
- [X] 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 #13 (MW04) All bottles time 1345 COC 1335, Sample # 10 (GW31-3) received 1 Amber broken

TECHNICIAN SIGNATURE/DATE E.T. 10.30.08 TECHNICIAN SIGNATURE/DATE 10-30-08 ASBD 12/17/07

F61220: 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: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1947-MB	H052286.D	1	11/11/08	MM	n/a	n/a	VH1947

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	1.4	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1947-MB	H052286.D	1	11/11/08	MM	n/a	n/a	VH1947

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2375-MB	B056692.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-8, F61220-9, F61220-10, F61220-11, F61220-12, F61220-13, F61220-14, F61220-15, F61220-16

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2375-MB	B056692.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-8, F61220-9, F61220-10, F61220-11, F61220-12, F61220-13, F61220-14, F61220-15, F61220-16

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	102%	86-112%
460-00-4	4-Bromofluorobenzene	107%	84-120%

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1949-MB	H052334.D	1	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-6, F61220-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1949-MB	H052334.D	1	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-6, F61220-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	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	99%	84-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1951-MB	H052386.D	1	11/14/08	SH	n/a	n/a	VH1951

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-4

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	92%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1947-BS	H052285.D	1	11/11/08	MM	n/a	n/a	VH1947

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	119	95	59-134
71-43-2	Benzene	25	23.8	95	83-124
75-27-4	Bromodichloromethane	25	21.9	88	76-116
75-25-2	Bromoform	25	19.9	80	68-128
108-90-7	Chlorobenzene	25	24.6	98	87-115
75-00-3	Chloroethane	25	20.0	80	54-166
67-66-3	Chloroform	25	22.9	92	85-123
75-15-0	Carbon disulfide	25	18.8	75	67-147
56-23-5	Carbon tetrachloride	25	23.2	93	74-139
75-34-3	1,1-Dichloroethane	25	23.0	92	82-127
75-35-4	1,1-Dichloroethylene	25	21.0	84	75-133
107-06-2	1,2-Dichloroethane	25	20.8	83	76-122
78-87-5	1,2-Dichloropropane	25	22.1	88	81-120
124-48-1	Dibromochloromethane	25	22.8	91	74-116
156-59-2	cis-1,2-Dichloroethylene	25	21.8	87	81-114
10061-01-5	cis-1,3-Dichloropropene	25	21.9	88	83-119
156-60-5	trans-1,2-Dichloroethylene	25	22.4	90	82-126
10061-02-6	trans-1,3-Dichloropropene	25	22.1	88	87-123
100-41-4	Ethylbenzene	25	25.2	101	87-118
591-78-6	2-Hexanone	125	144	115	58-125
108-10-1	4-Methyl-2-pentanone	125	88.8	71	62-125
74-83-9	Methyl bromide	25	17.9	72	55-151
74-87-3	Methyl chloride	25	19.5	78	55-173
75-09-2	Methylene chloride	25	22.8	91	69-125
78-93-3	Methyl ethyl ketone	125	120	96	61-127
100-42-5	Styrene	25	23.6	94	78-118
71-55-6	1,1,1-Trichloroethane	25	23.5	94	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.0	92	71-120
79-00-5	1,1,2-Trichloroethane	25	20.9	84	80-114
127-18-4	Tetrachloroethylene	25	26.2	105	80-131
108-88-3	Toluene	25	25.3	101	86-116
79-01-6	Trichloroethylene	25	21.6	86	85-124
75-01-4	Vinyl chloride	25	17.6	70	57-153
1330-20-7	Xylene (total)	75	77.2	103	86-120

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1947-BS	H052285.D	1	11/11/08	MM	n/a	n/a	VH1947

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	76-127%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2375-BS	B056691.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-8, F61220-9, F61220-10, F61220-11, F61220-12, F61220-13, F61220-14, F61220-15, F61220-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	127	102	59-134
71-43-2	Benzene	25	28.0	112	83-124
75-27-4	Bromodichloromethane	25	24.5	98	76-116
75-25-2	Bromoform	25	20.6	82	68-128
108-90-7	Chlorobenzene	25	27.5	110	87-115
75-00-3	Chloroethane	25	30.8	123	54-166
67-66-3	Chloroform	25	28.0	112	85-123
75-15-0	Carbon disulfide	25	28.4	114	67-147
56-23-5	Carbon tetrachloride	25	30.4	122	74-139
75-34-3	1,1-Dichloroethane	25	31.2	125	82-127
75-35-4	1,1-Dichloroethylene	25	27.2	109	75-133
107-06-2	1,2-Dichloroethane	25	24.9	100	76-122
78-87-5	1,2-Dichloropropane	25	27.3	109	81-120
124-48-1	Dibromochloromethane	25	24.1	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.7	107	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.1	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	30.7	123	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.8	107	87-123
100-41-4	Ethylbenzene	25	28.3	113	87-118
591-78-6	2-Hexanone	125	118	94	58-125
108-10-1	4-Methyl-2-pentanone	125	104	83	62-125
74-83-9	Methyl bromide	25	27.4	110	55-151
74-87-3	Methyl chloride	25	23.7	95	55-173
75-09-2	Methylene chloride	25	27.7	111	69-125
78-93-3	Methyl ethyl ketone	125	119	95	61-127
100-42-5	Styrene	25	24.4	98	78-118
71-55-6	1,1,1-Trichloroethane	25	30.1	120	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.8	95	71-120
79-00-5	1,1,2-Trichloroethane	25	24.0	96	80-114
127-18-4	Tetrachloroethylene	25	25.3	101	80-131
108-88-3	Toluene	25	28.1	112	86-116
79-01-6	Trichloroethylene	25	26.0	104	85-124
75-01-4	Vinyl chloride	25	22.8	91	57-153
1330-20-7	Xylene (total)	75	84.6	113	86-120

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2375-BS	B056691.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-8, F61220-9, F61220-10, F61220-11, F61220-12, F61220-13, F61220-14, F61220-15, F61220-16

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1949-BS	H052325.D	1	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-6, F61220-7

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	24.6	98	83-124
75-27-4	Bromodichloromethane	25	23.4	94	76-116
75-25-2	Bromoform	25	19.6	78	68-128
108-90-7	Chlorobenzene	25	24.2	97	87-115
75-00-3	Chloroethane	25	21.0	84	54-166
67-66-3	Chloroform	25	23.9	96	85-123
75-15-0	Carbon disulfide	25	19.3	77	67-147
56-23-5	Carbon tetrachloride	25	24.9	100	74-139
75-34-3	1,1-Dichloroethane	25	24.7	99	82-127
75-35-4	1,1-Dichloroethylene	25	21.2	85	75-133
107-06-2	1,2-Dichloroethane	25	22.6	90	76-122
78-87-5	1,2-Dichloropropane	25	21.6	86	81-120
124-48-1	Dibromochloromethane	25	22.6	90	74-116
156-59-2	cis-1,2-Dichloroethylene	25	22.7	91	81-114
10061-01-5	cis-1,3-Dichloropropene	25	21.7	87	83-119
156-60-5	trans-1,2-Dichloroethylene	25	23.4	94	82-126
10061-02-6	trans-1,3-Dichloropropene	25	22.7	91	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
591-78-6	2-Hexanone	125	143	114	58-125
108-10-1	4-Methyl-2-pentanone	125	95.2	76	62-125
74-83-9	Methyl bromide	25	20.5	82	55-151
74-87-3	Methyl chloride	25	22.2	89	55-173
75-09-2	Methylene chloride	25	22.7	91	69-125
78-93-3	Methyl ethyl ketone	125	124	99	61-127
100-42-5	Styrene	25	22.4	90	78-118
71-55-6	1,1,1-Trichloroethane	25	24.7	99	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.4	98	71-120
79-00-5	1,1,2-Trichloroethane	25	19.4	78*	80-114
127-18-4	Tetrachloroethylene	25	25.3	101	80-131
108-88-3	Toluene	25	23.9	96	86-116
79-01-6	Trichloroethylene	25	23.8	95	85-124
75-01-4	Vinyl chloride	25	18.8	75	57-153
1330-20-7	Xylene (total)	75	76.1	101	86-120

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1949-BS	H052325.D	1	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-6, F61220-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	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	103%	84-120%

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1951-BS	H052385.D	1	11/14/08	SH	n/a	n/a	VH1951

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	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	101%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61264-9MS	H052296.D	1	11/11/08	MM	n/a	n/a	VH1947
F61264-9MSD	H052297.D	1	11/11/08	MM	n/a	n/a	VH1947
F61264-9	H052295.D	1	11/11/08	MM	n/a	n/a	VH1947

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5

CAS No.	Compound	F61264-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	66.4	53*	64.1	51*	4	59-134/14
71-43-2	Benzene	ND		25	25.7	103	22.8	91	12*	83-124/11
75-27-4	Bromodichloromethane	ND		25	19.7	79	20.8	83	5	76-116/10
75-25-2	Bromoform	ND		25	20.0	80	19.3	77	4	68-128/11
108-90-7	Chlorobenzene	ND		25	24.4	98	22.3	89	9	87-115/9
75-00-3	Chloroethane	ND		25	20.5	82	19.1	76	7	54-166/20
67-66-3	Chloroform	ND		25	25.3	101	22.2	89	13*	85-123/10
75-15-0	Carbon disulfide	ND		25	19.2	77	17.9	72	7	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.1	104	23.8	95	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	24.8	99	22.2	89	11*	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	21.8	87	20.5	82	6	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	22.8	91	20.9	84	9	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	18.6	74*	20.2	81	8	81-120/11
124-48-1	Dibromochloromethane	ND		25	23.3	93	21.8	87	7	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	31.7	127*	28.9	116*	9	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	17.2	69*	16.4	66*	5	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	23.8	95	21.9	88	8	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	22.2	89	20.5	82*	8	87-123/10
100-41-4	Ethylbenzene	ND		25	25.2	101	22.4	90	12*	87-118/10
591-78-6	2-Hexanone	ND		125	102	82	98.6	79	3	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	78.6	63	75.5	60*	4	62-125/13
74-83-9	Methyl bromide	ND		25	21.1	84	19.3	77	9	55-151/21
74-87-3	Methyl chloride	ND		25	22.1	88	20.4	82	8	55-173/22
75-09-2	Methylene chloride	ND		25	22.7	91	22.0	88	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	86.0	69	85.3	68	1	61-127/13
100-42-5	Styrene	ND		25	22.3	89	19.3	77*	14*	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.6	106	23.4	94	13*	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	22.5	90	22.3	89	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	21.6	86	19.8	79*	9	80-114/11
127-18-4	Tetrachloroethylene	ND		25	26.0	104	25.0	100	4	80-131/12
108-88-3	Toluene	ND		25	24.5	98	23.4	94	5	86-116/10
79-01-6	Trichloroethylene	ND		25	24.0	96	23.9	96	0	85-124/10
75-01-4	Vinyl chloride	ND		25	19.9	80	19.2	77	4	57-153/22
1330-20-7	Xylene (total)	ND		75	74.4	99	68.8	92	8	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61264-9MS	H052296.D	1	11/11/08	MM	n/a	n/a	VH1947
F61264-9MSD	H052297.D	1	11/11/08	MM	n/a	n/a	VH1947
F61264-9	H052295.D	1	11/11/08	MM	n/a	n/a	VH1947

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5

CAS No.	Surrogate Recoveries	MS	MSD	F61264-9	Limits
1868-53-7	Dibromofluoromethane	104%	101%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	100%	97%	76-127%
2037-26-5	Toluene-D8	103%	101%	103%	86-112%
460-00-4	4-Bromofluorobenzene	95%	98%	98%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61220-8MS	B056703.D	1	11/11/08	LD	n/a	n/a	VB2375
F61220-8MSD	B056704.D	1	11/11/08	LD	n/a	n/a	VB2375
F61220-8	B056693.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-8, F61220-9, F61220-10, F61220-11, F61220-12, F61220-13, F61220-14, F61220-15, F61220-16

CAS No.	Compound	F61220-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	77.7	62	79.2	63	2	59-134/14
71-43-2	Benzene	ND		25	26.1	104	24.5	98	6	83-124/11
75-27-4	Bromodichloromethane	ND		25	22.9	92	21.6	86	6	76-116/10
75-25-2	Bromoform	ND		25	18.6	74	17.8	71	4	68-128/11
108-90-7	Chlorobenzene	ND		25	25.8	103	24.0	96	7	87-115/9
75-00-3	Chloroethane	ND		25	29.5	118	26.6	106	10	54-166/20
67-66-3	Chloroform	ND		25	26.1	104	24.7	99	6	85-123/10
75-15-0	Carbon disulfide	ND		25	26.2	105	24.7	99	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	27.9	112	27.0	108	3	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.6	114	27.0	108	6	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	28.9	116	27.7	111	4	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	23.4	94	22.5	90	4	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.1	100	24.2	97	4	81-120/11
124-48-1	Dibromochloromethane	ND		25	22.6	90	21.4	86	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.4	98	22.9	92	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.0	92	22.0	88	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	29.0	116	27.0	108	7	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.3	97	23.0	92	5	87-123/10
100-41-4	Ethylbenzene	ND		25	26.4	106	24.5	98	7	87-118/10
591-78-6	2-Hexanone	ND		125	79.1	63	79.8	64	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	90.6	72	87.7	70	3	62-125/13
74-83-9	Methyl bromide	ND		25	25.9	104	23.7	95	9	55-151/21
74-87-3	Methyl chloride	ND		25	23.6	94	21.4	86	10	55-173/22
75-09-2	Methylene chloride	ND		25	25.9	104	23.9	96	8	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	77.6	62	78.1	62	1	61-127/13
100-42-5	Styrene	ND		25	22.9	92	21.0	84	9	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	28.6	114	26.9	108	6	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	21.1	84	20.3	81	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.3	89	21.6	86	3	80-114/11
127-18-4	Tetrachloroethylene	ND		25	23.2	93	21.6	86	7	80-131/12
108-88-3	Toluene	ND		25	26.0	104	24.4	98	6	86-116/10
79-01-6	Trichloroethylene	ND		25	23.7	95	22.4	90	6	85-124/10
75-01-4	Vinyl chloride	ND		25	23.2	93	21.7	87	7	57-153/22
1330-20-7	Xylene (total)	ND		75	80.3	107	73.9	99	8	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61220-8MS	B056703.D	1	11/11/08	LD	n/a	n/a	VB2375
F61220-8MSD	B056704.D	1	11/11/08	LD	n/a	n/a	VB2375
F61220-8	B056693.D	1	11/11/08	LD	n/a	n/a	VB2375

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-8, F61220-9, F61220-10, F61220-11, F61220-12, F61220-13, F61220-14, F61220-15, F61220-16

CAS No.	Surrogate Recoveries	MS	MSD	F61220-8	Limits
1868-53-7	Dibromofluoromethane	104%	104%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	111%	108%	76-127%
2037-26-5	Toluene-D8	103%	103%	102%	86-112%
460-00-4	4-Bromofluorobenzene	102%	101%	107%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61261-1MS	H052332.D	5	11/12/08	MM	n/a	n/a	VH1949
F61261-1MSD	H052333.D	5	11/12/08	MM	n/a	n/a	VH1949
F61261-1	H052331.D	5	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-6, F61220-7

CAS No.	Compound	F61261-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	411	66	405	65	1	59-134/14
71-43-2	Benzene	3.1	J	125	118	92	110	86	7	83-124/11
75-27-4	Bromodichloromethane	ND		125	108	86	97.5	78	10	76-116/10
75-25-2	Bromoform	ND		125	103	82	99.0	79	4	68-128/11
108-90-7	Chlorobenzene	ND		125	118	94	110	88	7	87-115/9
75-00-3	Chloroethane	ND		125	ND	0*	ND	0*	nc	54-166/20
67-66-3	Chloroform	ND		125	117	94	104	83*	12*	85-123/10
75-15-0	Carbon disulfide	ND		125	114	91	106	85	7	67-147/12
56-23-5	Carbon tetrachloride	ND		125	118	94	108	86	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		125	137	110	130	104	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		125	130	104	124	99	5	75-133/13
107-06-2	1,2-Dichloroethane	ND		125	107	86	98.8	79	8	76-122/11
78-87-5	1,2-Dichloropropane	ND		125	98.0	78*	99.7	80*	2	81-120/11
124-48-1	Dibromochloromethane	ND		125	111	89	107	86	4	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		125	115	92	104	83	10	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	101	81*	95.7	77*	5	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	142	114	135	108	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	106	85*	105	84*	1	87-123/10
100-41-4	Ethylbenzene	ND		125	223	178*	216	173*	3	87-118/10
591-78-6	2-Hexanone	ND		625	525	84	541	87	3	58-125/14
108-10-1	4-Methyl-2-pentanone	13.6	J	625	500	78	484	75	3	62-125/13
74-83-9	Methyl bromide	ND		125	ND	0*	ND	0*	nc	55-151/21
74-87-3	Methyl chloride	ND		125	ND	0*	ND	0*	nc	55-173/22
75-09-2	Methylene chloride	15.7	JB	125	150	107	141	100	6	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	434	69	436	70	0	61-127/13
100-42-5	Styrene	ND		125	109	87	105	84	4	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	118	94	105	84	12*	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	114	91	113	90	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	108	86	108	86	0	80-114/11
127-18-4	Tetrachloroethylene	ND		125	130	104	123	98	6	80-131/12
108-88-3	Toluene	5.1		125	127	98	123	94	3	86-116/10
79-01-6	Trichloroethylene	ND		125	115	92	99.4	80*	15*	85-124/10
75-01-4	Vinyl chloride	ND		125	1.6	1*	ND	0*	200*	57-153/22
1330-20-7	Xylene (total)	ND		375	371	99	353	94	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61261-1MS	H052332.D	5	11/12/08	MM	n/a	n/a	VH1949
F61261-1MSD	H052333.D	5	11/12/08	MM	n/a	n/a	VH1949
F61261-1	H052331.D	5	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-6, F61220-7

CAS No.	Surrogate Recoveries	MS	MSD	F61261-1	Limits
1868-53-7	Dibromofluoromethane	99%	97%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	94%	97%	76-127%
2037-26-5	Toluene-D8	100%	107%	94%	86-112%
460-00-4	4-Bromofluorobenzene	101%	102%	92%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61331-10MS	H052392.D	1	11/14/08	SH	n/a	n/a	VH1951
F61331-10MSD	H052393.D	1	11/14/08	SH	n/a	n/a	VH1951
F61331-10	H052387.D	1	11/14/08	SH	n/a	n/a	VH1951

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61220-4

CAS No.	Compound	F61331-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	F61331-10	Limits
1868-53-7	Dibromofluoromethane	96%	99%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	99%	99%	76-127%
2037-26-5	Toluene-D8	95%	98%	93%	86-112%
460-00-4	4-Bromofluorobenzene	98%	94%	94%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27029-MB	EE058914.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148

The QC reported here applies to the following samples: **Method:** EPA 610

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5, F61220-6, F61220-7, F61220-8, F61220-9, F61220-10, F61220-11

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	76%	43-121%
92-94-4	p-Terphenyl	80%	30-122%

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27029-MB	EE058972.D	1	11/12/08	FEA	11/03/08	OP27029	GEE2149

The QC reported here applies to the following samples: **Method:** EPA 610

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5, F61220-6, F61220-7, F61220-8, F61220-9, F61220-10, F61220-11

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	77%	43-121%
92-94-4	p-Terphenyl	81%	30-122%

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-MB	AA046337.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862

The QC reported here applies to the following samples: **Method:** EPA 610

F61220-12, F61220-13, F61220-14, F61220-15

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	43-121%
92-94-4	p-Terphenyl	89%	30-122%

Method Blank Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-MB	EE059021.D	1	11/14/08	FEA	11/04/08	OP27036	GEE2150

The QC reported here applies to the following samples: **Method:** EPA 610

F61220-12, F61220-13, F61220-14, F61220-15

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	43-121%
92-94-4	p-Terphenyl	87%	30-122%

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27029-BS	EE058913.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148

The QC reported here applies to the following samples: **Method:** EPA 610

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5, F61220-6, F61220-7, F61220-8, F61220-9, F61220-10, F61220-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	15.8	79	60-102
208-96-8	Acenaphthylene	20	17.4	87	66-108
120-12-7	Anthracene	10	9.0	90	64-107
56-55-3	Benzo(a)anthracene	10	8.9	89	70-108
50-32-8	Benzo(a)pyrene	10	9.2	92	72-115
205-99-2	Benzo(b)fluoranthene	10	9.0	90	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.2	92	69-113
207-08-9	Benzo(k)fluoranthene	10	8.9	89	70-111
218-01-9	Chrysene	10	9.2	92	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.2	92	71-114
206-44-0	Fluoranthene	20	17.5	88	68-110
86-73-7	Fluorene	20	16.5	83	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.0	90	69-110
91-20-3	Naphthalene	20	13.6	68	55-94
90-12-0	1-Methylnaphthalene	20	14.4	72	55-97
91-57-6	2-Methylnaphthalene	20	14.1	71	51-97
85-01-8	Phenanthrene	20	17.6	88	67-108
129-00-0	Pyrene	20	18.1	91	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	84%	43-121%
92-94-4	p-Terphenyl	86%	30-122%

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-BS	AA046336.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862

The QC reported here applies to the following samples: **Method:** EPA 610

F61220-12, F61220-13, F61220-14, F61220-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	19.7	99	60-102
208-96-8	Acenaphthylene	20	21.1	106	66-108
120-12-7	Anthracene	10	10.2	102	64-107
56-55-3	Benzo(a)anthracene	10	10.2	102	70-108
50-32-8	Benzo(a)pyrene	10	10	100	72-115
205-99-2	Benzo(b)fluoranthene	10	10.3	103	73-111
191-24-2	Benzo(g,h,i)perylene	10	10.1	101	69-113
207-08-9	Benzo(k)fluoranthene	10	10.2	102	70-111
218-01-9	Chrysene	10	10.3	103	71-111
53-70-3	Dibenzo(a,h)anthracene	10	10.2	102	71-114
206-44-0	Fluoranthene	20	20.0	100	68-110
86-73-7	Fluorene	20	19.8	99	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.8	98	69-110
91-20-3	Naphthalene	20	17.0	85	55-94
90-12-0	1-Methylnaphthalene	20	18.4	92	55-97
91-57-6	2-Methylnaphthalene	20	17.7	89	51-97
85-01-8	Phenanthrene	20	20.4	102	67-108
129-00-0	Pyrene	20	20.7	104	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	99%	43-121%
92-94-4	p-Terphenyl	95%	30-122%

Blank Spike Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-BS	EE059020.D	1	11/14/08	FEA	11/04/08	OP27036	GEE2150

The QC reported here applies to the following samples: **Method:** EPA 610

F61220-12, F61220-13, F61220-14, F61220-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	18.7	94	60-102
208-96-8	Acenaphthylene	20	19.7	99	66-108
120-12-7	Anthracene	10	10.4	104	64-107
56-55-3	Benzo(a)anthracene	10	9.8	98	70-108
50-32-8	Benzo(a)pyrene	10	9.9	99	72-115
205-99-2	Benzo(b)fluoranthene	10	9.8	98	73-111
191-24-2	Benzo(g,h,i)perylene	10	10.0	100	69-113
207-08-9	Benzo(k)fluoranthene	10	9.8	98	70-111
218-01-9	Chrysene	10	10.1	101	71-111
53-70-3	Dibenzo(a,h)anthracene	10	10.0	100	71-114
206-44-0	Fluoranthene	20	19.6	98	68-110
86-73-7	Fluorene	20	19.2	96	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.7	97	69-110
91-20-3	Naphthalene	20	16.3	82	55-94
90-12-0	1-Methylnaphthalene	20	17.3	87	55-97
91-57-6	2-Methylnaphthalene	20	17.1	86	51-97
85-01-8	Phenanthrene	20	20.0	100	67-108
129-00-0	Pyrene	20	20.1	101	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	96%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27029-MS	EE058927.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
OP27029-MSD	EE058928.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148
F61220-1	EE058926.D	1	11/11/08	FEA	11/03/08	OP27029	GEE2148

The QC reported here applies to the following samples: **Method:** EPA 610

F61220-1, F61220-2, F61220-3, F61220-4, F61220-5, F61220-6, F61220-7, F61220-8, F61220-9, F61220-10, F61220-11

CAS No.	Compound	F61220-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	31.7	82	28.3	74	11	60-102/33
208-96-8	Acenaphthylene	ND		38.5	33.3	87	29.6	77	12	66-108/32
120-12-7	Anthracene	ND		19.2	18.0	94	16.3	85	10	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	17.4	90	17.3	90	1	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	17.6	92	17.7	92	1	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	17.4	90	17.5	91	1	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	17.8	93	17.9	93	1	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	17.3	90	17.4	90	1	70-111/21
218-01-9	Chrysene	ND		19.2	17.8	93	17.7	92	1	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	17.8	93	17.9	93	1	71-114/23
206-44-0	Fluoranthene	ND		38.5	34.7	90	33.6	87	3	68-110/17
86-73-7	Fluorene	ND		38.5	32.8	85	29.1	76	12	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	17.3	90	17.4	90	1	69-110/22
91-20-3	Naphthalene	ND		38.5	27.5	71	25.0	65	10	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	29.3	76	26.4	69	10	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	28.8	75	26.0	68	10	51-97/25
85-01-8	Phenanthrene	ND		38.5	35.0	91	31.9	83	9	67-108/22
129-00-0	Pyrene	ND		38.5	36.0	94	35.0	91	3	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61220-1	Limits
84-15-1	o-Terphenyl	80%	72%	74%	43-121%
92-94-4	p-Terphenyl	74%	73%	68%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61220
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-MS	AA046352.D	1	11/13/08	FEA	11/04/08	OP27036	GAA1862
OP27036-MSD	AA046353.D	1	11/13/08	FEA	11/04/08	OP27036	GAA1862
F61259-9	AA046351.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862

The QC reported here applies to the following samples: **Method:** EPA 610

F61220-12, F61220-13, F61220-14, F61220-15

CAS No.	Compound	F61259-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	35.2	92	32.9	86	7	60-102/33
208-96-8	Acenaphthylene	ND		38.5	36.3	94	33.7	88	7	66-108/32
120-12-7	Anthracene	ND		19.2	19.0	99	17.6	92	8	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.8	103	18.5	96	7	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	19.5	101	18.2	95	7	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	20.1	105	18.9	98	6	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	19.7	102	18.5	96	6	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.8	103	18.8	98	5	70-111/21
218-01-9	Chrysene	ND		19.2	19.8	103	18.6	97	6	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	19.8	103	18.5	96	7	71-114/23
206-44-0	Fluoranthene	ND		38.5	38.5	100	35.9	93	7	68-110/17
86-73-7	Fluorene	ND		38.5	36.3	94	33.4	87	8	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	19.0	99	17.8	93	7	69-110/22
91-20-3	Naphthalene	ND		38.5	30.2	79	28.6	74	5	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	33.6	87	31.7	82	6	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	31.5	82	29.6	77	6	51-97/25
85-01-8	Phenanthrene	ND		38.5	38.2	99	35.4	92	8	67-108/22
129-00-0	Pyrene	ND		38.5	39.9	104	37.3	97	7	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61259-9	Limits
84-15-1	o-Terphenyl	98%	84%	85%	43-121%
92-94-4	p-Terphenyl	91%	76%	68%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/18/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61259

Sampling Date: 10/30/08

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: **67**

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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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F61259

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61259-1	10/30/08	09:40	BD	10/31/08	AQ	Ground Water	USTHPFFC-MW29
F61259-2	10/30/08	10:20	BD	10/31/08	AQ	Ground Water	USTHPFF-RW01
F61259-3	10/30/08	12:15	BD	10/31/08	AQ	Ground Water	USTHPFF-RW04
F61259-4	10/30/08	12:35	BD	10/31/08	AQ	Ground Water	USTHPFF-MW20
F61259-5	10/30/08	10:45	BD	10/31/08	AQ	Ground Water	USTHPFFC-MW22
F61259-6	10/30/08	10:10	BD	10/31/08	AQ	Ground Water	USTHPFFC-MW38
F61259-7	10/30/08	09:50	BD	10/31/08	AQ	Ground Water	USTHPFFC-MW04
F61259-8	10/30/08	09:35	BD	10/31/08	AQ	Ground Water	USTHPFFC-MW70
F61259-9	10/30/08	09:10	BD	10/31/08	AQ	Ground Water	USTHPFFC-MW71
F61259-10	10/30/08	00:00	BD	10/31/08	AQ	Trip Blank Water	TRIP BLANK 103008

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW29		
Lab Sample ID:	F61259-1	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056723.D	100	11/12/08	LD	n/a	n/a	VB2376
Run #2	C059170.D	200	11/13/08	LD	n/a	n/a	VC2401

	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	2500	1000	ug/l	
71-43-2	Benzene	15000 [a]	200	80	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	2000	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	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	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	401	100	35	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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-MW29		
Lab Sample ID:	F61259-1	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
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	30	ug/l	
1330-20-7	Xylene (total)	1330	300	120	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	104%	76-127%
2037-26-5	Toluene-D8	102%	104%	86-112%
460-00-4	4-Bromofluorobenzene	104%	100%	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-MW29		
Lab Sample ID:	F61259-1	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE059023.D	5	11/14/08	FEA	11/04/08	OP27036	GEE2150
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	9.7	4.9	ug/l	
208-96-8	Acenaphthylene	ND	9.7	4.9	ug/l	
120-12-7	Anthracene	ND	9.7	4.9	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.97	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.97	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.97	0.24	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.97	0.49	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.97	0.24	ug/l	
218-01-9	Chrysene	ND	9.7	2.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.97	0.24	ug/l	
206-44-0	Fluoranthene	ND	9.7	2.4	ug/l	
86-73-7	Fluorene	ND	9.7	4.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.97	0.24	ug/l	
91-20-3	Naphthalene	411	9.7	4.9	ug/l	
90-12-0	1-Methylnaphthalene	60.4	9.7	2.4	ug/l	
91-57-6	2-Methylnaphthalene	112	9.7	2.4	ug/l	
85-01-8	Phenanthrene	ND	9.7	4.9	ug/l	
129-00-0	Pyrene	ND	9.7	2.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		43-121%
92-94-4	p-Terphenyl	59%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-RW01
Lab Sample ID: F61259-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/30/08
Date Received: 10/31/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059171.D	5	11/13/08	LD	n/a	n/a	VC2401
Run #2	B056724.D	10	11/12/08	LD	n/a	n/a	VB2376

	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	130	50	ug/l	
71-43-2	Benzene	327	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	46.1	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	5.7	5.0	2.2	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	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	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	393	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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-RW01		
Lab Sample ID:	F61259-2	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
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	1.5	ug/l	
1330-20-7	Xylene (total)	304	15	5.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	99%	76-127%
2037-26-5	Toluene-D8	100%	101%	86-112%
460-00-4	4-Bromofluorobenzene	98%	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:	USTHPFF-RW01		
Lab Sample ID:	F61259-2	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE059024.D	1	11/14/08	FEA	11/04/08	OP27036	GEE2150
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	5.5	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	1.2	1.9	0.49	ug/l	J
91-57-6	2-Methylnaphthalene	1.9	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		43-121%
92-94-4	p-Terphenyl	82%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-RW04		
Lab Sample ID:	F61259-3	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056725.D	5	11/12/08	LD	n/a	n/a	VB2376
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	326	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	105	5.0	2.2	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	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	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	67.5	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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-RW04		
Lab Sample ID:	F61259-3	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
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	1.5	ug/l	
1330-20-7	Xylene (total)	92.5	15	5.8	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	106%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFF-RW04		
Lab Sample ID:	F61259-3	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046346.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	15.9	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	1.4	1.9	0.48	ug/l	J
91-57-6	2-Methylnaphthalene	1.9	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		43-121%
92-94-4	p-Terphenyl	75%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F61259-4	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056726.D	1	11/12/08	LD	n/a	n/a	VB2376
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F61259-4	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	106%		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:	USTHPFF-MW20		
Lab Sample ID:	F61259-4	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046347.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		43-121%
92-94-4	p-Terphenyl	64%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW22		
Lab Sample ID:	F61259-5	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B056727.D	10	11/12/08	LD	n/a	n/a	VB2376
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	532	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	82.9	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	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	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	175	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	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-MW22		
Lab Sample ID:	F61259-5	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
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	3.0	ug/l	
1330-20-7	Xylene (total)	150	30	12	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	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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW22		
Lab Sample ID:	F61259-5	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046348.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	33.1	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	3.2	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	3.0	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		43-121%
92-94-4	p-Terphenyl	70%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW38		
Lab Sample ID:	F61259-6	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052340.D	1	11/12/08	MM	n/a	n/a	VH1949
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW38		
Lab Sample ID:	F61259-6	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	96%		76-127%
2037-26-5	Toluene-D8	100%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW38		
Lab Sample ID:	F61259-6	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046349.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	56%		43-121%
92-94-4	p-Terphenyl	45%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW04		
Lab Sample ID:	F61259-7	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052341.D	1	11/12/08	MM	n/a	n/a	VH1949
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride [a]	1.2	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW04		
Lab Sample ID:	F61259-7	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	97%		76-127%
2037-26-5	Toluene-D8	100%		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-MW04		
Lab Sample ID:	F61259-7	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046350.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	65%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW70		
Lab Sample ID:	F61259-8	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052342.D	1	11/12/08	MM	n/a	n/a	VH1949
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.35	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW70		
Lab Sample ID:	F61259-8	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	98%		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-MW70		
Lab Sample ID:	F61259-8	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046356.D	1	11/13/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		43-121%
92-94-4	p-Terphenyl	58%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW71		
Lab Sample ID:	F61259-9	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052343.D	1	11/12/08	MM	n/a	n/a	VH1949
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.47	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW71		
Lab Sample ID:	F61259-9	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	99%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	90%		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-MW71		
Lab Sample ID:	F61259-9	**Date Sampled:**	10/30/08
Matrix:	AQ - Ground Water	**Date Received:**	10/31/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA046351.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	68%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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 103008
Lab Sample ID: F61259-10
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 10/30/08
Date Received: 10/31/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C059150.D	1	11/12/08	LD	n/a	n/a	VC2400
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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 103008		
Lab Sample ID:	F61259-10	**Date Sampled:**	10/30/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/31/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	100%		76-127%
2037-26-5	Toluene-D8	107%		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

CHAIN-OF-CUSTODY RECORD F61259

COC Number: 125709-HPFF-103008-1

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	
Client Rep	**Project Manager**	
US NAVY - LANTDIV	Joe Colella	

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610	Analysis Desired
1	USTHPFFC-MW29	10/30/08	9:40		X	USTHPFFC-MW29	5	X	X	
2	USTHPFF-RW01	10/30/08	10:20		X	USTHPFF-RW01	5	X	X	
3	USTHPFF-RW04	10/30/08	12:15		X	USTHPFF-RW04	5	X	X	
4	USTHPFF-MW20	10/30/08	12:35		X	USTHPFF-MW20	5	X	X	
5	USTHPFFC-MW22	10/30/08	10:45		X	USTHPFFC-MW22	5	X	X	
6	USTHPFFC-MW38	10/30/08	10:10		X	USTHPFFC-MW38	5	X	X	
7	USTHPFFC-MW04	10/30/08	9:50		X	USTHPFFC-MW04	5	X	X	
8	USTHPFFC-MW70	10/30/08	9:35		X	USTHPFFC-MW70	5	X	X	
9	USTHPFFC-MW71	10/30/08	9:10		X	USTHPFFC-MW71	5	X	X	
10	Trip Blank 103008	10/30/08	—		X	Trip Blank 103008	2	X		

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 10		FedEx	10/30/08	17:00
2				10-31-08	09:30
3					

Remarks

14 Day TAT

FedEx 8668 3649 8145, 8668 3649 8487

2-0 2-4

F61259: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61259 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 10-31-08 09:30 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 2.0 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8608 3649 8487

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 ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: Samp #8 received vials with ID of MW30 @ 9:25 COC was MW10 @ 9:25

TECHNICIAN SIGNATURE/DATE E.T. 10-31-08 TECHNICIAN SIGNATURE/DATE ic 10-31-08 ASBD 12/17/07

F61259: 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: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2400-MB	C059140.D	1	11/12/08	LD	n/a	n/a	VC2400

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2400-MB	C059140.D	1	11/12/08	LD	n/a	n/a	VC2400

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	91%	76-127%
2037-26-5	Toluene-D8	107%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Method Blank Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2376-MB	B056711.D	1	11/12/08	LD	n/a	n/a	VB2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2376-MB	B056711.D	1	11/12/08	LD	n/a	n/a	VB2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	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	107%	84-120%

Method Blank Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1949-MB	H052334.D	1	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1949-MB	H052334.D	1	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	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	99%	84-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2401-MB	C059167.D	1	11/13/08	LD	n/a	n/a	VC2401

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2401-MB	C059167.D	1	11/13/08	LD	n/a	n/a	VC2401

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	107%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1949-BS	H052325.D	1	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-6, F61259-7, F61259-8, F61259-9

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	24.6	98	83-124
75-27-4	Bromodichloromethane	25	23.4	94	76-116
75-25-2	Bromoform	25	19.6	78	68-128
108-90-7	Chlorobenzene	25	24.2	97	87-115
75-00-3	Chloroethane	25	21.0	84	54-166
67-66-3	Chloroform	25	23.9	96	85-123
75-15-0	Carbon disulfide	25	19.3	77	67-147
56-23-5	Carbon tetrachloride	25	24.9	100	74-139
75-34-3	1,1-Dichloroethane	25	24.7	99	82-127
75-35-4	1,1-Dichloroethylene	25	21.2	85	75-133
107-06-2	1,2-Dichloroethane	25	22.6	90	76-122
78-87-5	1,2-Dichloropropane	25	21.6	86	81-120
124-48-1	Dibromochloromethane	25	22.6	90	74-116
156-59-2	cis-1,2-Dichloroethylene	25	22.7	91	81-114
10061-01-5	cis-1,3-Dichloropropene	25	21.7	87	83-119
156-60-5	trans-1,2-Dichloroethylene	25	23.4	94	82-126
10061-02-6	trans-1,3-Dichloropropene	25	22.7	91	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
591-78-6	2-Hexanone	125	143	114	58-125
108-10-1	4-Methyl-2-pentanone	125	95.2	76	62-125
74-83-9	Methyl bromide	25	20.5	82	55-151
74-87-3	Methyl chloride	25	22.2	89	55-173
75-09-2	Methylene chloride	25	22.7	91	69-125
78-93-3	Methyl ethyl ketone	125	124	99	61-127
100-42-5	Styrene	25	22.4	90	78-118
71-55-6	1,1,1-Trichloroethane	25	24.7	99	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.4	98	71-120
79-00-5	1,1,2-Trichloroethane	25	19.4	78*	80-114
127-18-4	Tetrachloroethylene	25	25.3	101	80-131
108-88-3	Toluene	25	23.9	96	86-116
79-01-6	Trichloroethylene	25	23.8	95	85-124
75-01-4	Vinyl chloride	25	18.8	75	57-153
1330-20-7	Xylene (total)	75	76.1	101	86-120

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1949-BS	H052325.D	1	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	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	103%	84-120%

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2400-BS	C059139.D	1	11/12/08	LD	n/a	n/a	VC2400

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-10

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	23.3	93	83-124
75-27-4	Bromodichloromethane	25	21.4	86	76-116
75-25-2	Bromoform	25	25.3	101	68-128
108-90-7	Chlorobenzene	25	25.2	101	87-115
75-00-3	Chloroethane	25	24.3	97	54-166
67-66-3	Chloroform	25	23.5	94	85-123
75-15-0	Carbon disulfide	25	28.7	115	67-147
56-23-5	Carbon tetrachloride	25	26.3	105	74-139
75-34-3	1,1-Dichloroethane	25	24.1	96	82-127
75-35-4	1,1-Dichloroethylene	25	26.3	105	75-133
107-06-2	1,2-Dichloroethane	25	20.5	82	76-122
78-87-5	1,2-Dichloropropane	25	21.8	87	81-120
124-48-1	Dibromochloromethane	25	25.0	100	74-116
156-59-2	cis-1,2-Dichloroethylene	25	22.1	88	81-114
10061-01-5	cis-1,3-Dichloropropene	25	22.8	91	83-119
156-60-5	trans-1,2-Dichloroethylene	25	23.8	95	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.4	102	87-123
100-41-4	Ethylbenzene	25	25.2	101	87-118
591-78-6	2-Hexanone	125	110	88	58-125
108-10-1	4-Methyl-2-pentanone	125	105	84	62-125
74-83-9	Methyl bromide	25	23.0	92	55-151
74-87-3	Methyl chloride	25	20.6	82	55-173
75-09-2	Methylene chloride	25	22.1	88	69-125
78-93-3	Methyl ethyl ketone	125	98.3	79	61-127
100-42-5	Styrene	25	24.4	98	78-118
71-55-6	1,1,1-Trichloroethane	25	25.6	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	21.9	88	71-120
79-00-5	1,1,2-Trichloroethane	25	22.7	91	80-114
127-18-4	Tetrachloroethylene	25	28.2	113	80-131
108-88-3	Toluene	25	25.8	103	86-116
79-01-6	Trichloroethylene	25	22.4	90	85-124
75-01-4	Vinyl chloride	25	21.4	86	57-153
1330-20-7	Xylene (total)	75	78.3	104	86-120

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2400-BS	C059139.D	1	11/12/08	LD	n/a	n/a	VC2400

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	94%	84-120%

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2376-BS	B056710.D	1	11/12/08	LD	n/a	n/a	VB2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	117	94	59-134
71-43-2	Benzene	25	27.4	110	83-124
75-27-4	Bromodichloromethane	25	24.0	96	76-116
75-25-2	Bromoform	25	20.0	80	68-128
108-90-7	Chlorobenzene	25	26.6	106	87-115
75-00-3	Chloroethane	25	31.1	124	54-166
67-66-3	Chloroform	25	27.5	110	85-123
75-15-0	Carbon disulfide	25	27.1	108	67-147
56-23-5	Carbon tetrachloride	25	29.4	118	74-139
75-34-3	1,1-Dichloroethane	25	30.0	120	82-127
75-35-4	1,1-Dichloroethylene	25	26.6	106	75-133
107-06-2	1,2-Dichloroethane	25	23.8	95	76-122
78-87-5	1,2-Dichloropropane	25	26.5	106	81-120
124-48-1	Dibromochloromethane	25	23.7	95	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.7	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.8	103	83-119
156-60-5	trans-1,2-Dichloroethylene	25	30.2	121	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.0	104	87-123
100-41-4	Ethylbenzene	25	27.1	108	87-118
591-78-6	2-Hexanone	125	100	80	58-125
108-10-1	4-Methyl-2-pentanone	125	96.6	77	62-125
74-83-9	Methyl bromide	25	27.6	110	55-151
74-87-3	Methyl chloride	25	23.5	94	55-173
75-09-2	Methylene chloride	25	29.3	117	69-125
78-93-3	Methyl ethyl ketone	125	98.1	78	61-127
100-42-5	Styrene	25	23.0	92	78-118
71-55-6	1,1,1-Trichloroethane	25	29.4	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	21.9	88	71-120
79-00-5	1,1,2-Trichloroethane	25	23.1	92	80-114
127-18-4	Tetrachloroethylene	25	24.7	99	80-131
108-88-3	Toluene	25	27.1	108	86-116
79-01-6	Trichloroethylene	25	25.6	102	85-124
75-01-4	Vinyl chloride	25	22.2	89	57-153
1330-20-7	Xylene (total)	75	81.2	108	86-120

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2376-BS	B056710.D	1	11/12/08	LD	n/a	n/a	VB2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2401-BS	C059166.D	1	11/13/08	LD	n/a	n/a	VC2401

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	117	94	59-134
71-43-2	Benzene	25	24.7	99	83-124
75-27-4	Bromodichloromethane	25	23.0	92	76-116
75-25-2	Bromoform	25	24.5	98	68-128
108-90-7	Chlorobenzene	25	25.1	100	87-115
75-00-3	Chloroethane	25	26.1	104	54-166
67-66-3	Chloroform	25	25.8	103	85-123
75-15-0	Carbon disulfide	25	28.6	114	67-147
56-23-5	Carbon tetrachloride	25	27.9	112	74-139
75-34-3	1,1-Dichloroethane	25	25.7	103	82-127
75-35-4	1,1-Dichloroethylene	25	28.5	114	75-133
107-06-2	1,2-Dichloroethane	25	23.1	92	76-122
78-87-5	1,2-Dichloropropane	25	22.8	91	81-120
124-48-1	Dibromochloromethane	25	24.4	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	22.9	92	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.1	96	83-119
156-60-5	trans-1,2-Dichloroethylene	25	25.6	102	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.1	104	87-123
100-41-4	Ethylbenzene	25	26.2	105	87-118
591-78-6	2-Hexanone	125	108	86	58-125
108-10-1	4-Methyl-2-pentanone	125	108	86	62-125
74-83-9	Methyl bromide	25	23.5	94	55-151
74-87-3	Methyl chloride	25	22.4	90	55-173
75-09-2	Methylene chloride	25	27.6	110	69-125
78-93-3	Methyl ethyl ketone	125	97.1	78	61-127
100-42-5	Styrene	25	24.5	98	78-118
71-55-6	1,1,1-Trichloroethane	25	27.7	111	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.7	91	71-120
79-00-5	1,1,2-Trichloroethane	25	23.3	93	80-114
127-18-4	Tetrachloroethylene	25	27.3	109	80-131
108-88-3	Toluene	25	25.4	102	86-116
79-01-6	Trichloroethylene	25	23.9	96	85-124
75-01-4	Vinyl chloride	25	22.6	90	57-153
1330-20-7	Xylene (total)	75	79.9	107	86-120

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2401-BS	C059166.D	1	11/13/08	LD	n/a	n/a	VC2401

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	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	94%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61261-1MS	H052332.D	5	11/12/08	MM	n/a	n/a	VH1949
F61261-1MSD	H052333.D	5	11/12/08	MM	n/a	n/a	VH1949
F61261-1	H052331.D	5	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Compound	F61261-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	411	66	405	65	1	59-134/14
71-43-2	Benzene	3.1	J	125	118	92	110	86	7	83-124/11
75-27-4	Bromodichloromethane	ND		125	108	86	97.5	78	10	76-116/10
75-25-2	Bromoform	ND		125	103	82	99.0	79	4	68-128/11
108-90-7	Chlorobenzene	ND		125	118	94	110	88	7	87-115/9
75-00-3	Chloroethane	ND		125	ND	0*	ND	0*	nc	54-166/20
67-66-3	Chloroform	ND		125	117	94	104	83*	12*	85-123/10
75-15-0	Carbon disulfide	ND		125	114	91	106	85	7	67-147/12
56-23-5	Carbon tetrachloride	ND		125	118	94	108	86	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		125	137	110	130	104	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		125	130	104	124	99	5	75-133/13
107-06-2	1,2-Dichloroethane	ND		125	107	86	98.8	79	8	76-122/11
78-87-5	1,2-Dichloropropane	ND		125	98.0	78*	99.7	80*	2	81-120/11
124-48-1	Dibromochloromethane	ND		125	111	89	107	86	4	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		125	115	92	104	83	10	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	101	81*	95.7	77*	5	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	142	114	135	108	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	106	85*	105	84*	1	87-123/10
100-41-4	Ethylbenzene	ND		125	223	178*	216	173*	3	87-118/10
591-78-6	2-Hexanone	ND		625	525	84	541	87	3	58-125/14
108-10-1	4-Methyl-2-pentanone	13.6	J	625	500	78	484	75	3	62-125/13
74-83-9	Methyl bromide	ND		125	ND	0*	ND	0*	nc	55-151/21
74-87-3	Methyl chloride	ND		125	ND	0*	ND	0*	nc	55-173/22
75-09-2	Methylene chloride	15.7	JB	125	150	107	141	100	6	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	434	69	436	70	0	61-127/13
100-42-5	Styrene	ND		125	109	87	105	84	4	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	118	94	105	84	12*	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	114	91	113	90	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	108	86	108	86	0	80-114/11
127-18-4	Tetrachloroethylene	ND		125	130	104	123	98	6	80-131/12
108-88-3	Toluene	5.1		125	127	98	123	94	3	86-116/10
79-01-6	Trichloroethylene	ND		125	115	92	99.4	80*	15*	85-124/10
75-01-4	Vinyl chloride	ND		125	1.6	1*	ND	0*	200*	57-153/22
1330-20-7	Xylene (total)	ND		375	371	99	353	94	5	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61261-1MS	H052332.D	5	11/12/08	MM	n/a	n/a	VH1949
F61261-1MSD	H052333.D	5	11/12/08	MM	n/a	n/a	VH1949
F61261-1	H052331.D	5	11/12/08	MM	n/a	n/a	VH1949

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Surrogate Recoveries	MS	MSD	F61261-1	Limits
1868-53-7	Dibromofluoromethane	99%	97%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	94%	97%	76-127%
2037-26-5	Toluene-D8	100%	107%	94%	86-112%
460-00-4	4-Bromofluorobenzene	101%	102%	92%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61322-4MS	B056721.D	1	11/12/08	LD	n/a	n/a	VB2376
F61322-4MSD	B056722.D	1	11/12/08	LD	n/a	n/a	VB2376
F61322-4	B056713.D	1	11/12/08	LD	n/a	n/a	VB2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5

CAS No.	Compound	F61322-4 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	84.1	67	84.4	68	0	59-134/14
71-43-2	Benzene	1.0 U		25	26.8	107	25.4	102	5	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	23.5	94	22.2	89	6	76-116/10
75-25-2	Bromoform	1.0 U		25	19.8	79	19.3	77	3	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	26.5	106	24.9	100	6	87-115/9
75-00-3	Chloroethane	2.0 U		25	28.7	115	27.3	109	5	54-166/20
67-66-3	Chloroform	1.0 U		25	26.9	108	25.6	102	5	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	26.8	107	25.4	102	5	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	29.2	117	27.7	111	5	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	30.2	121	28.3	113	6	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.1	116	27.4	110	6	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	24.8	99	23.6	94	5	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	26.3	105	24.7	99	6	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	23.5	94	22.5	90	4	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.8	103	24.3	97	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.3	97	23.0	92	5	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	29.5	118	27.7	111	6	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	25.1	100	24.3	97	3	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	27.6	110	25.8	103	7	87-118/10
591-78-6	2-Hexanone	10 U		125	85.3	68	84.8	68	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	93.7	75	93.0	74	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	25.2	101	23.7	95	6	55-151/21
74-87-3	Methyl chloride	2.0 U		25	22.0	88	21.1	84	4	55-173/22
75-09-2	Methylene chloride	5.0 U		25	26.6	106	24.9	100	7	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	79.5	64	80.1	64	1	61-127/13
100-42-5	Styrene	1.0 U		25	23.5	94	22.0	88	7	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	29.9	120	28.1	112	6	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	21.2	85	20.8	83	2	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	22.9	92	22.0	88	4	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	23.6	94	22.6	90	4	80-131/12
108-88-3	Toluene	1.0 U		25	26.8	107	25.5	102	5	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	24.9	100	23.6	94	5	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	21.5	86	20.3	81	6	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	81.6	109	76.4	102	7	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61322-4MS	B056721.D	1	11/12/08	LD	n/a	n/a	VB2376
F61322-4MSD	B056722.D	1	11/12/08	LD	n/a	n/a	VB2376
F61322-4	B056713.D	1	11/12/08	LD	n/a	n/a	VB2376

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5

CAS No.	Surrogate Recoveries	MS	MSD	F61322-4	Limits
1868-53-7	Dibromofluoromethane	104%	104%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	109%	106%	76-127%
2037-26-5	Toluene-D8	103%	104%	102%	86-112%
460-00-4	4-Bromofluorobenzene	101%	101%	107%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61268-2MS	C059153.D	1	11/12/08	LD	n/a	n/a	VC2400
F61268-2MSD	C059154.D	1	11/12/08	LD	n/a	n/a	VC2400
F61268-2	C059146.D	1	11/12/08	LD	n/a	n/a	VC2400

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-10

CAS No.	Compound	F61268-2 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	58.7	47*	59.3	47*	1	59-134/14
71-43-2	Benzene	1.0	U	25	23.4	94	23.1	92	1	83-124/11
75-27-4	Bromodichloromethane	1.0	U	25	22.7	91	22.5	90	1	76-116/10
75-25-2	Bromoform	1.0	U	25	25.2	101	24.5	98	3	68-128/11
108-90-7	Chlorobenzene	1.0	U	25	25.0	100	24.0	96	4	87-115/9
75-00-3	Chloroethane	2.0	U	25	19.3	77	23.2	93	18	54-166/20
67-66-3	Chloroform	1.0	U	25	24.4	98	24.4	98	0	85-123/10
75-15-0	Carbon disulfide	2.0	U	25	24.5	98	25.5	102	4	67-147/12
56-23-5	Carbon tetrachloride	1.0	U	25	27.3	109	26.2	105	4	74-139/13
75-34-3	1,1-Dichloroethane	1.0	U	25	24.2	97	24.3	97	0	82-127/10
75-35-4	1,1-Dichloroethylene	1.0	U	25	23.5	94	24.9	100	6	75-133/13
107-06-2	1,2-Dichloroethane	1.0	U	25	22.9	92	22.5	90	2	76-122/11
78-87-5	1,2-Dichloropropane	1.0	U	25	21.8	87	22.4	90	3	81-120/11
124-48-1	Dibromochloromethane	1.0	U	25	24.8	99	23.7	95	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	21.3	85	21.5	86	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	21.4	86	21.8	87	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	23.6	94	23.7	95	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	25.2	101	25.2	101	0	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	25.9	104	24.8	99	4	87-118/10
591-78-6	2-Hexanone	10	U	125	102	82	101	81	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0	U	125	117	94	116	93	1	62-125/13
74-83-9	Methyl bromide	2.0	U	25	18.6	74	20.5	82	10	55-151/21
74-87-3	Methyl chloride	2.0	U	25	18.6	74	21.1	84	13	55-173/22
75-09-2	Methylene chloride	5.0	U	25	23.0	92	23.3	93	1	69-125/11
78-93-3	Methyl ethyl ketone	5.0	U	125	82.4	66	84.5	68	3	61-127/13
100-42-5	Styrene	1.0	U	25	24.6	98	23.7	95	4	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0	U	25	26.2	105	25.6	102	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	22.6	90	23.5	94	4	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	25.4	102	25.2	101	1	80-131/12
108-88-3	Toluene	1.0	U	25	24.7	99	24.5	98	1	86-116/10
79-01-6	Trichloroethylene	1.0	U	25	22.6	90	22.1	88	2	85-124/10
75-01-4	Vinyl chloride	1.0	U	25	17.6	70	20.7	83	16	57-153/22
1330-20-7	Xylene (total)	3.0	U	75	78.2	104	75.3	100	4	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61268-2MS	C059153.D	1	11/12/08	LD	n/a	n/a	VC2400
F61268-2MSD	C059154.D	1	11/12/08	LD	n/a	n/a	VC2400
F61268-2	C059146.D	1	11/12/08	LD	n/a	n/a	VC2400

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-10

CAS No.	Surrogate Recoveries	MS	MSD	F61268-2	Limits
1868-53-7	Dibromofluoromethane	101%	103%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	98%	76-127%
2037-26-5	Toluene-D8	99%	100%	107%	86-112%
460-00-4	4-Bromofluorobenzene	91%	93%	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61306-1MS	C059180.D	1	11/13/08	LD	n/a	n/a	VC2401
F61306-1MSD	C059181.D	1	11/13/08	LD	n/a	n/a	VC2401
F61306-1	C059174.D	1	11/13/08	LD	n/a	n/a	VC2401

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2

CAS No.	Compound	F61306-1 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	60.7	49*	60.4	48*	0	59-134/14
71-43-2	Benzene	1.0	U	25	24.0	96	23.1	92	4	83-124/11
75-27-4	Bromodichloromethane	1.0	U	25	22.6	90	21.8	87	4	76-116/10
75-25-2	Bromoform	1.0	U	25	24.1	96	25.4	102	5	68-128/11
108-90-7	Chlorobenzene	1.0	U	25	24.9	100	24.8	99	0	87-115/9
75-00-3	Chloroethane	2.0	U	25	23.7	95	22.6	90	5	54-166/20
67-66-3	Chloroform	1.0	U	25	25.0	100	24.1	96	4	85-123/10
75-15-0	Carbon disulfide	2.0	U	25	26.7	107	25.6	102	4	67-147/12
56-23-5	Carbon tetrachloride	1.0	U	25	27.2	109	26.5	106	3	74-139/13
75-34-3	1,1-Dichloroethane	1.0	U	25	25.8	103	24.8	99	4	82-127/10
75-35-4	1,1-Dichloroethylene	22.8		25	47.6	99	44.3	86	7	75-133/13
107-06-2	1,2-Dichloroethane	1.0	U	25	23.2	93	22.3	89	4	76-122/11
78-87-5	1,2-Dichloropropane	1.0	U	25	21.7	87	21.7	87	0	81-120/11
124-48-1	Dibromochloromethane	1.0	U	25	24.0	96	24.5	98	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	22.9	92	22.4	90	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	22.2	89	21.6	86	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	24.8	99	23.8	95	4	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	24.9	100	26.0	104	4	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	25.3	101	25.6	102	1	87-118/10
591-78-6	2-Hexanone	10	U	125	100	80	102	82	2	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0	U	125	115	92	117	94	2	62-125/13
74-83-9	Methyl bromide	2.0	U	25	20.9	84	20.4	82	2	55-151/21
74-87-3	Methyl chloride	2.0	U	25	20.6	82	19.5	78	5	55-173/22
75-09-2	Methylene chloride	5.0	U	25	23.9	96	22.7	91	5	69-125/11
78-93-3	Methyl ethyl ketone	5.0	U	125	85.1	68	85.0	68	0	61-127/13
100-42-5	Styrene	1.0	U	25	23.5	94	23.4	94	0	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0	U	25	27.5	110	25.8	103	6	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	22.7	91	22.7	91	0	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0	U	25	22.4	90	22.8	91	2	80-114/11
127-18-4	Tetrachloroethylene	1.0	U	25	25.5	102	25.9	104	2	80-131/12
108-88-3	Toluene	1.0	U	25	24.5	98	24.9	100	2	86-116/10
79-01-6	Trichloroethylene	1.0	U	25	22.7	91	22.2	89	2	85-124/10
75-01-4	Vinyl chloride	1.0	U	25	20.9	84	19.1	76	9	57-153/22
1330-20-7	Xylene (total)	3.0	U	75	77.6	103	77.6	103	0	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61306-1MS	C059180.D	1	11/13/08	LD	n/a	n/a	VC2401
F61306-1MSD	C059181.D	1	11/13/08	LD	n/a	n/a	VC2401
F61306-1	C059174.D	1	11/13/08	LD	n/a	n/a	VC2401

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61259-1, F61259-2

CAS No.	Surrogate Recoveries	MS	MSD	F61306-1	Limits
1868-53-7	Dibromofluoromethane	104%	104%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	101%	97%	76-127%
2037-26-5	Toluene-D8	99%	102%	106%	86-112%
460-00-4	4-Bromofluorobenzene	92%	94%	102%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-MB	AA046337.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862

The QC reported here applies to the following samples: **Method:** EPA 610

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5, F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	43-121%
92-94-4	p-Terphenyl	89%	30-122%

Method Blank Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-MB	EE059021.D	1	11/14/08	FEA	11/04/08	OP27036	GEE2150

The QC reported here applies to the following samples: **Method:** EPA 610

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5, F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	43-121%
92-94-4	p-Terphenyl	87%	30-122%

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-BS	AA046336.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862

The QC reported here applies to the following samples: **Method:** EPA 610

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5, F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	19.7	99	60-102
208-96-8	Acenaphthylene	20	21.1	106	66-108
120-12-7	Anthracene	10	10.2	102	64-107
56-55-3	Benzo(a)anthracene	10	10.2	102	70-108
50-32-8	Benzo(a)pyrene	10	10	100	72-115
205-99-2	Benzo(b)fluoranthene	10	10.3	103	73-111
191-24-2	Benzo(g,h,i)perylene	10	10.1	101	69-113
207-08-9	Benzo(k)fluoranthene	10	10.2	102	70-111
218-01-9	Chrysene	10	10.3	103	71-111
53-70-3	Dibenzo(a,h)anthracene	10	10.2	102	71-114
206-44-0	Fluoranthene	20	20.0	100	68-110
86-73-7	Fluorene	20	19.8	99	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.8	98	69-110
91-20-3	Naphthalene	20	17.0	85	55-94
90-12-0	1-Methylnaphthalene	20	18.4	92	55-97
91-57-6	2-Methylnaphthalene	20	17.7	89	51-97
85-01-8	Phenanthrene	20	20.4	102	67-108
129-00-0	Pyrene	20	20.7	104	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	99%	43-121%
92-94-4	p-Terphenyl	95%	30-122%

Blank Spike Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-BS	EE059020.D	1	11/14/08	FEA	11/04/08	OP27036	GEE2150

The QC reported here applies to the following samples: **Method:** EPA 610

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5, F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	18.7	94	60-102
208-96-8	Acenaphthylene	20	19.7	99	66-108
120-12-7	Anthracene	10	10.4	104	64-107
56-55-3	Benzo(a)anthracene	10	9.8	98	70-108
50-32-8	Benzo(a)pyrene	10	9.9	99	72-115
205-99-2	Benzo(b)fluoranthene	10	9.8	98	73-111
191-24-2	Benzo(g,h,i)perylene	10	10.0	100	69-113
207-08-9	Benzo(k)fluoranthene	10	9.8	98	70-111
218-01-9	Chrysene	10	10.1	101	71-111
53-70-3	Dibenzo(a,h)anthracene	10	10.0	100	71-114
206-44-0	Fluoranthene	20	19.6	98	68-110
86-73-7	Fluorene	20	19.2	96	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.7	97	69-110
91-20-3	Naphthalene	20	16.3	82	55-94
90-12-0	1-Methylnaphthalene	20	17.3	87	55-97
91-57-6	2-Methylnaphthalene	20	17.1	86	51-97
85-01-8	Phenanthrene	20	20.0	100	67-108
129-00-0	Pyrene	20	20.1	101	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	96%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61259
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27036-MS	AA046352.D	1	11/13/08	FEA	11/04/08	OP27036	GAA1862
OP27036-MSD	AA046353.D	1	11/13/08	FEA	11/04/08	OP27036	GAA1862
F61259-9	AA046351.D	1	11/12/08	FEA	11/04/08	OP27036	GAA1862

The QC reported here applies to the following samples: **Method:** EPA 610

F61259-1, F61259-2, F61259-3, F61259-4, F61259-5, F61259-6, F61259-7, F61259-8, F61259-9

CAS No.	Compound	F61259-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	35.2	92	32.9	86	7	60-102/33
208-96-8	Acenaphthylene	ND		38.5	36.3	94	33.7	88	7	66-108/32
120-12-7	Anthracene	ND		19.2	19.0	99	17.6	92	8	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.8	103	18.5	96	7	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	19.5	101	18.2	95	7	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	20.1	105	18.9	98	6	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	19.7	102	18.5	96	6	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.8	103	18.8	98	5	70-111/21
218-01-9	Chrysene	ND		19.2	19.8	103	18.6	97	6	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	19.8	103	18.5	96	7	71-114/23
206-44-0	Fluoranthene	ND		38.5	38.5	100	35.9	93	7	68-110/17
86-73-7	Fluorene	ND		38.5	36.3	94	33.4	87	8	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	19.0	99	17.8	93	7	69-110/22
91-20-3	Naphthalene	ND		38.5	30.2	79	28.6	74	5	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	33.6	87	31.7	82	6	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	31.5	82	29.6	77	6	51-97/25
85-01-8	Phenanthrene	ND		38.5	38.2	99	35.4	92	8	67-108/22
129-00-0	Pyrene	ND		38.5	39.9	104	37.3	97	7	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61259-9	Limits
84-15-1	o-Terphenyl	98%	84%	85%	43-121%
92-94-4	p-Terphenyl	91%	76%	68%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/18/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61313

Sampling Date: 11/03/08

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: **38**

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Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F61313

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61313-1	11/03/08	08:50	BR	11/04/08	AQ	Ground Water	USTHPFFC-MW67
F61313-2	11/03/08	10:00	BR	11/04/08	AQ	Ground Water	USTHPFFC-MW42
F61313-3	11/03/08	10:32	BR	11/04/08	AQ	Ground Water	USTHPFFC-MW24
F61313-4	11/03/08	12:15	BR	11/04/08	AQ	Ground Water	IR78-GW20
F61313-5	11/03/08	00:00	BR	11/04/08	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW67		
Lab Sample ID:	F61313-1	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042699.D	1	11/13/08	KW	n/a	n/a	VJ2660
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW67		
Lab Sample ID:	F61313-1	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	107%		76-127%
2037-26-5	Toluene-D8	95%		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-MW67		
Lab Sample ID:	F61313-1	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058816.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		43-121%
92-94-4	p-Terphenyl	79%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW42		
Lab Sample ID:	F61313-2	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042700.D	1	11/13/08	KW	n/a	n/a	VJ2660
Run #2	J042717.D	5	11/14/08	KW	n/a	n/a	VJ2661

	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	25.9	25	10	ug/l	
71-43-2	Benzene	104 [a]	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	2.9	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	35.5	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW42		
Lab Sample ID:	F61313-2	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	106%	76-127%
2037-26-5	Toluene-D8	98%	95%	86-112%
460-00-4	4-Bromofluorobenzene	97%	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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW42		
Lab Sample ID:	F61313-2	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058817.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	83.2	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	9.1	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	13.6	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	84%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW24		
Lab Sample ID:	F61313-3	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042701.D	1	11/13/08	KW	n/a	n/a	VJ2660
Run #2	J042720.D	5	11/14/08	KW	n/a	n/a	VJ2661

	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	135	25	10	ug/l	
71-43-2	Benzene	126 [a]	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	18.8	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	45.8	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	4.3	5.0	2.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	14.9	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW24		
Lab Sample ID:	F61313-3	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	71.3	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	102%	76-127%
2037-26-5	Toluene-D8	97%	95%	86-112%
460-00-4	4-Bromofluorobenzene	98%	102%	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-MW24		
Lab Sample ID:	F61313-3	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE058818.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	2.4	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	4.8	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		43-121%
92-94-4	p-Terphenyl	78%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW20		
Lab Sample ID:	F61313-4	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042702.D	1	11/13/08	KW	n/a	n/a	VJ2660
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride [a]	1.2	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.41	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW20		
Lab Sample ID:	F61313-4	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	98%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-GW20		
Lab Sample ID:	F61313-4	**Date Sampled:**	11/03/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE058819.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		43-121%
92-94-4	p-Terphenyl	74%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: F61313-5
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 11/03/08
Date Received: 11/04/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J042727.D	1	11/14/08	KW	n/a	n/a	VJ2661
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61313-5	**Date Sampled:**	11/03/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/04/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	106%		76-127%
2037-26-5	Toluene-D8	97%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

CHAIN-OF-CUSTODY RECORD

F61313

COC Number:
125709-HPFF-110308-1

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	Project Number	Contact	PO Number
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin	

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Cdella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260	PAH 610
1	USTHPFFC-MW67	11/3/08	8:50		X	USTHPFFC-MW67	5	X	X
2	USTHPFFC-MW42	11/3/08	10:00		X	USTHPFFC-MW42	5	X	X
3	USTHPFFC-MW24	11/3/08	10:32		X	USTHPFFC-MW24	5	X	X
4	IR78-GW20	11/3/08	12:15		X	IR78-GW20	5	X	X
5	Trip Blank 110308	11/3/08			X	Trip Blank 110308	2	X	
6									
7									
8									
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 5	[signature]	FedEx	11/3/08	17:00
2		FX	J. Cole	11-4-08	09:00
3					

Remarks

14 Day TAT

2.4

FedEx 8668 3649 8156

F61313: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61313 CLIENT: SHAW PROJECT: CAMP LEJEUNE - HPFF

DATE/TIME RECEIVED: 11-4-08 0930 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3649 8156

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)
- [ ] 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: [illegible] 11-4-08 TECHNICIAN SIGNATURE/DATE: [illegible] 11/4/08 ASBD 12/17/07

F61313: 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: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2660-MB	J042676.D	1	11/13/08	KW	n/a	n/a	VJ2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-1, F61313-2, F61313-3, F61313-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	5.4	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2660-MB	J042676.D	1	11/13/08	KW	n/a	n/a	VJ2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-1, F61313-2, F61313-3, F61313-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Method Blank Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2661-MB	J042708.D	1	11/14/08	KW	n/a	n/a	VJ2661

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-2, F61313-3, F61313-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2661-MB	J042708.D	1	11/14/08	KW	n/a	n/a	VJ2661

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-2, F61313-3, F61313-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2660-BS	J042675.D	1	11/13/08	KW	n/a	n/a	VJ2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-1, F61313-2, F61313-3, F61313-4

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	27.1	108	83-124
75-27-4	Bromodichloromethane	25	24.3	97	76-116
75-25-2	Bromoform	25	25.5	102	68-128
108-90-7	Chlorobenzene	25	26.1	104	87-115
75-00-3	Chloroethane	25	27.0	108	54-166
67-66-3	Chloroform	25	26.7	107	85-123
75-15-0	Carbon disulfide	25	25.2	101	67-147
56-23-5	Carbon tetrachloride	25	26.8	107	74-139
75-34-3	1,1-Dichloroethane	25	28.0	112	82-127
75-35-4	1,1-Dichloroethylene	25	27.1	108	75-133
107-06-2	1,2-Dichloroethane	25	24.7	99	76-122
78-87-5	1,2-Dichloropropane	25	25.3	101	81-120
124-48-1	Dibromochloromethane	25	24.6	98	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.7	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.6	106	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.9	108	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.1	108	87-123
100-41-4	Ethylbenzene	25	26.1	104	87-118
591-78-6	2-Hexanone	125	118	94	58-125
108-10-1	4-Methyl-2-pentanone	125	118	94	62-125
74-83-9	Methyl bromide	25	24.6	98	55-151
74-87-3	Methyl chloride	25	25.2	101	55-173
75-09-2	Methylene chloride	25	32.7	131*	69-125
78-93-3	Methyl ethyl ketone	125	129	103	61-127
100-42-5	Styrene	25	26.3	105	78-118
71-55-6	1,1,1-Trichloroethane	25	27.3	109	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.1	96	71-120
79-00-5	1,1,2-Trichloroethane	25	23.8	95	80-114
127-18-4	Tetrachloroethylene	25	27.8	111	80-131
108-88-3	Toluene	25	26.9	108	86-116
79-01-6	Trichloroethylene	25	26.1	104	85-124
75-01-4	Vinyl chloride	25	23.9	96	57-153
1330-20-7	Xylene (total)	75	81.1	108	86-120

Blank Spike Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2660-BS	J042675.D	1	11/13/08	KW	n/a	n/a	VJ2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-1, F61313-2, F61313-3, F61313-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	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: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2661-BS	J042707.D	1	11/14/08	KW	n/a	n/a	VJ2661

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-2, F61313-3, F61313-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	141	113	59-134
71-43-2	Benzene	25	28.2	113	83-124
75-27-4	Bromodichloromethane	25	26.5	106	76-116
75-25-2	Bromoform	25	26.6	106	68-128
108-90-7	Chlorobenzene	25	26.8	107	87-115
75-00-3	Chloroethane	25	28.3	113	54-166
67-66-3	Chloroform	25	27.9	112	85-123
75-15-0	Carbon disulfide	25	26.2	105	67-147
56-23-5	Carbon tetrachloride	25	28.2	113	74-139
75-34-3	1,1-Dichloroethane	25	28.8	115	82-127
75-35-4	1,1-Dichloroethylene	25	28.5	114	75-133
107-06-2	1,2-Dichloroethane	25	26.3	105	76-122
78-87-5	1,2-Dichloropropane	25	26.6	106	81-120
124-48-1	Dibromochloromethane	25	25.9	104	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.1	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.3	109	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	26.7	107	87-118
591-78-6	2-Hexanone	125	126	101	58-125
108-10-1	4-Methyl-2-pentanone	125	121	97	62-125
74-83-9	Methyl bromide	25	25.3	101	55-151
74-87-3	Methyl chloride	25	26.8	107	55-173
75-09-2	Methylene chloride	25	26.6	106	69-125
78-93-3	Methyl ethyl ketone	125	122	98	61-127
100-42-5	Styrene	25	27.1	108	78-118
71-55-6	1,1,1-Trichloroethane	25	29.2	117	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	24.9	100	80-114
127-18-4	Tetrachloroethylene	25	27.9	112	80-131
108-88-3	Toluene	25	27.3	109	86-116
79-01-6	Trichloroethylene	25	27.0	108	85-124
75-01-4	Vinyl chloride	25	25.4	102	57-153
1330-20-7	Xylene (total)	75	83.9	112	86-120

Blank Spike Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2661-BS	J042707.D	1	11/14/08	KW	n/a	n/a	VJ2661

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-2, F61313-3, F61313-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61303-2MS	J042690.D	1	11/13/08	KW	n/a	n/a	VJ2660
F61303-2MSD	J042691.D	1	11/13/08	KW	n/a	n/a	VJ2660
F61303-2	J042683.D	1	11/13/08	KW	n/a	n/a	VJ2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-1, F61313-2, F61313-3, F61313-4

CAS No.	Compound	F61303-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	94.4	76	96.2	77	2	59-134/14
71-43-2	Benzene	ND		25	27.0	108	26.6	106	1	83-124/11
75-27-4	Bromodichloromethane	ND		25	25.0	100	25.1	100	0	76-116/10
75-25-2	Bromoform	ND		25	24.9	100	25.7	103	3	68-128/11
108-90-7	Chlorobenzene	ND		25	25.5	102	26.2	105	3	87-115/9
75-00-3	Chloroethane	ND		25	27.5	110	27.5	110	0	54-166/20
67-66-3	Chloroform	ND		25	27.5	110	27.1	108	1	85-123/10
75-15-0	Carbon disulfide	ND		25	25.5	102	25.8	103	1	67-147/12
56-23-5	Carbon tetrachloride	ND		25	29.0	116	27.5	110	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.9	112	27.9	112	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.5	110	27.9	112	1	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.6	102	25.2	101	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.3	105	25.4	102	3	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.8	99	25.0	100	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.4	102	25.8	103	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.1	104	26.2	105	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.6	110	27.6	110	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	27.2	109	27.5	110	1	87-123/10
100-41-4	Ethylbenzene	ND		25	26.1	104	26.1	104	0	87-118/10
591-78-6	2-Hexanone	ND		125	119	95	117	94	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	125	100	126	101	1	62-125/13
74-83-9	Methyl bromide	ND		25	23.9	96	25.1	100	5	55-151/21
74-87-3	Methyl chloride	ND		25	23.4	94	24.8	99	6	55-173/22
75-09-2	Methylene chloride	ND		25	25.7	103	26.0	104	1	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	102	82	100	80	2	61-127/13
100-42-5	Styrene	ND		25	25.8	103	26.3	105	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	28.5	114	28.1	112	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.8	95	23.3	93	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	23.6	94	24.5	98	4	80-114/11
127-18-4	Tetrachloroethylene	ND		25	27.2	109	27.2	109	0	80-131/12
108-88-3	Toluene	3.0		25	29.1	104	29.2	105	0	86-116/10
79-01-6	Trichloroethylene	ND		25	25.9	104	26.0	104	0	85-124/10
75-01-4	Vinyl chloride	ND		25	23.4	94	24.4	98	4	57-153/22
1330-20-7	Xylene (total)	ND		75	80.3	107	80.9	108	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61303-2MS	J042690.D	1	11/13/08	KW	n/a	n/a	VJ2660
F61303-2MSD	J042691.D	1	11/13/08	KW	n/a	n/a	VJ2660
F61303-2	J042683.D	1	11/13/08	KW	n/a	n/a	VJ2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-1, F61313-2, F61313-3, F61313-4

CAS No.	Surrogate Recoveries	MS	MSD	F61303-2	Limits
1868-53-7	Dibromofluoromethane	102%	102%	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	103%	107%	76-127%
2037-26-5	Toluene-D8	98%	100%	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	98%	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61313-2MS	J042718.D	5	11/14/08	KW	n/a	n/a	VJ2661
F61313-2MSD	J042719.D	5	11/14/08	KW	n/a	n/a	VJ2661
F61313-2	J042717.D	5	11/14/08	KW	n/a	n/a	VJ2661

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-2, F61313-3, F61313-5

CAS No.	Compound	F61313-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	490	78	476	76	3	59-134/14
71-43-2	Benzene	104		125	226	98	229	100	1	83-124/11
75-27-4	Bromodichloromethane	ND		125	132	106	131	105	1	76-116/10
75-25-2	Bromoform	ND		125	129	103	124	99	4	68-128/11
108-90-7	Chlorobenzene	ND		125	129	103	129	103	0	87-115/9
75-00-3	Chloroethane	ND		125	129	103	138	110	7	54-166/20
67-66-3	Chloroform	ND		125	138	110	139	111	1	85-123/10
75-15-0	Carbon disulfide	ND		125	122	98	126	101	3	67-147/12
56-23-5	Carbon tetrachloride	ND		125	144	115	146	117	1	74-139/13
75-34-3	1,1-Dichloroethane	ND		125	141	113	140	112	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND		125	138	110	142	114	3	75-133/13
107-06-2	1,2-Dichloroethane	2.6	J	125	132	104	131	103	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		125	133	106	135	108	1	81-120/11
124-48-1	Dibromochloromethane	ND		125	130	104	126	101	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		125	130	104	131	105	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	135	108	133	106	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	137	110	137	110	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	140	112	135	108	4	87-123/10
100-41-4	Ethylbenzene	32.1		125	160	102	157	100	2	87-118/10
591-78-6	2-Hexanone	ND		625	551	88	551	88	0	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		625	595	95	583	93	2	62-125/13
74-83-9	Methyl bromide	ND		125	117	94	122	98	4	55-151/21
74-87-3	Methyl chloride	ND		125	124	99	132	106	6	55-173/22
75-09-2	Methylene chloride	14.2	J	125	148	107	145	105	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	483	77	491	79	2	61-127/13
100-42-5	Styrene	ND		125	135	108	132	106	2	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	146	117	144	115	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	120	96	120	96	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	120	96	119	95	1	80-114/11
127-18-4	Tetrachloroethylene	ND		125	133	106	133	106	0	80-131/12
108-88-3	Toluene	ND		125	134	107	133	106	1	86-116/10
79-01-6	Trichloroethylene	ND		125	136	109	132	106	3	85-124/10
75-01-4	Vinyl chloride	ND		125	117	94	126	101	7	57-153/22
1330-20-7	Xylene (total)	ND		375	414	110	406	108	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61313-2MS	J042718.D	5	11/14/08	KW	n/a	n/a	VJ2661
F61313-2MSD	J042719.D	5	11/14/08	KW	n/a	n/a	VJ2661
F61313-2	J042717.D	5	11/14/08	KW	n/a	n/a	VJ2661

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61313-2, F61313-3, F61313-5

CAS No.	Surrogate Recoveries	MS	MSD	F61313-2	Limits
1868-53-7	Dibromofluoromethane	103%	101%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	102%	106%	76-127%
2037-26-5	Toluene-D8	98%	98%	95%	86-112%
460-00-4	4-Bromofluorobenzene	103%	102%	104%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27052-MB	EE058812.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145

The QC reported here applies to the following samples: **Method:** EPA 610

F61313-1, F61313-2, F61313-3, F61313-4

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Blank Spike Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27052-BS	EE058811.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145

The QC reported here applies to the following samples: **Method:** EPA 610

F61313-1, F61313-2, F61313-3, F61313-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	15.4	77	60-102
208-96-8	Acenaphthylene	20	16.9	85	66-108
120-12-7	Anthracene	10	9.1	91	64-107
56-55-3	Benzo(a)anthracene	10	8.7	87	70-108
50-32-8	Benzo(a)pyrene	10	8.9	89	72-115
205-99-2	Benzo(b)fluoranthene	10	8.7	87	73-111
191-24-2	Benzo(g,h,i)perylene	10	8.8	88	69-113
207-08-9	Benzo(k)fluoranthene	10	8.8	88	70-111
218-01-9	Chrysene	10	9.0	90	71-111
53-70-3	Dibenzo(a,h)anthracene	10	8.8	88	71-114
206-44-0	Fluoranthene	20	17.1	86	68-110
86-73-7	Fluorene	20	16.3	82	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	8.5	85	69-110
91-20-3	Naphthalene	20	13.3	67	55-94
90-12-0	1-Methylnaphthalene	20	14.1	71	55-97
91-57-6	2-Methylnaphthalene	20	13.9	70	51-97
85-01-8	Phenanthrene	20	17.3	87	67-108
129-00-0	Pyrene	20	17.7	89	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	84%	43-121%
92-94-4	p-Terphenyl	84%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61313
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27052-MS	EE058820.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145
OP27052-MSD	EE058821.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145
F61313-4	EE058819.D	1	11/06/08	FEA	11/05/08	OP27052	GEE2145

The QC reported here applies to the following samples: **Method:** EPA 610

F61313-1, F61313-2, F61313-3, F61313-4

CAS No.	Compound	F61313-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	32.2	84	28.6	74	12	60-102/33
208-96-8	Acenaphthylene	ND		38.5	32.0	83	28.5	74	12	66-108/32
120-12-7	Anthracene	ND		19.2	19.7	102	17.4	90	12	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	18.9	98	16.9	88	11	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	19.2	100	17.2	89	11	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	18.8	98	16.9	88	11	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	18.8	98	17.0	88	10	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.0	99	17.1	89	11	70-111/21
218-01-9	Chrysene	ND		19.2	19.7	102	17.7	92	11	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	18.4	96	16.8	87	9	71-114/23
206-44-0	Fluoranthene	ND		38.5	37.4	97	33.6	87	11	68-110/17
86-73-7	Fluorene	ND		38.5	34.3	89	30.5	79	12	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	18.1	94	16.5	86	9	69-110/22
91-20-3	Naphthalene	ND		38.5	27.3	71	24.4	63	11	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	29.5	77	26.3	68	11	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	29.1	76	25.8	67	12	51-97/25
85-01-8	Phenanthrene	ND		38.5	36.9	96	32.9	86	11	67-108/22
129-00-0	Pyrene	ND		38.5	39.0	101	34.8	90	11	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61313-4	Limits
84-15-1	o-Terphenyl	93%	84%	83%	43-121%
92-94-4	p-Terphenyl	93%	83%	74%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/03/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61615

Sampling Date: 11/17/08

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: **21**

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.

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A password to unlock this report is available from your client service representative.

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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F61615

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61615-1	11/17/08	16:00	JC	11/18/08	AQ	Ground Water	USTHPFFC-MW64

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW64		
Lab Sample ID:	F61615-1	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/18/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J043179.D	1	12/01/08	KW	n/a	n/a	VJ2682
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW64		
Lab Sample ID:	F61615-1	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/18/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	88%		76-127%
2037-26-5	Toluene-D8	93%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW64		
Lab Sample ID:	F61615-1	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/18/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP030463.D	1	11/24/08	MG	11/23/08	OP27239	GPP1114
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		43-121%
92-94-4	p-Terphenyl	67%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-111708-1

F61615

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	

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610
1	USTHPFFC-MW64	11/7/08	16:00		X	USTHPFFC-MW64	5	X	X
2									
3									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1		FedEx8668 3649 81784	11/17/08	17:00	14 Day TAT
2	FX	FX		11/18/08	9:00	
3						

2.6

F61615: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61615 CLIENT: Shaw PROJECT: Camp Lejeune - HPFF

DATE/TIME RECEIVED: 11/18/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8608 3649 8178

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: 11/18/08 TECHNICIAN SIGNATURE/DATE: 11-18-08 ASBD 12/17/07

F61615: 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: F61615
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2682-MB	J043159.D	1	12/01/08	KW	n/a	n/a	VJ2682

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61615-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61615
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2682-MB	J043159.D	1	12/01/08	KW	n/a	n/a	VJ2682

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61615-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	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	93%	84-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: F61615
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2682-BS	J043158.D	1	12/01/08	KW	n/a	n/a	VJ2682

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61615-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	151	121	59-134
71-43-2	Benzene	25	30.0	120	83-124
75-27-4	Bromodichloromethane	25	26.5	106	76-116
75-25-2	Bromoform	25	22.7	91	68-128
108-90-7	Chlorobenzene	25	27.1	108	87-115
75-00-3	Chloroethane	25	23.3	93	54-166
67-66-3	Chloroform	25	28.7	115	85-123
75-15-0	Carbon disulfide	25	25.4	102	67-147
56-23-5	Carbon tetrachloride	25	28.4	114	74-139
75-34-3	1,1-Dichloroethane	25	29.4	118	82-127
75-35-4	1,1-Dichloroethylene	25	28.4	114	75-133
107-06-2	1,2-Dichloroethane	25	24.7	99	76-122
78-87-5	1,2-Dichloropropane	25	28.9	116	81-120
124-48-1	Dibromochloromethane	25	24.9	100	74-116
156-59-2	cis-1,2-Dichloroethylene	25	28.3	113	81-114
10061-01-5	cis-1,3-Dichloropropene	25	29.0	116	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.0	116	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.1	108	87-123
100-41-4	Ethylbenzene	25	27.6	110	87-118
591-78-6	2-Hexanone	125	109	87	58-125
108-10-1	4-Methyl-2-pentanone	125	118	94	62-125
74-83-9	Methyl bromide	25	20.1	80	55-151
74-87-3	Methyl chloride	25	15.2	61	55-173
75-09-2	Methylene chloride	25	26.6	106	69-125
78-93-3	Methyl ethyl ketone	125	137	110	61-127
100-42-5	Styrene	25	25.1	100	78-118
71-55-6	1,1,1-Trichloroethane	25	28.8	115	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.2	101	71-120
79-00-5	1,1,2-Trichloroethane	25	26.7	107	80-114
127-18-4	Tetrachloroethylene	25	30.1	120	80-131
108-88-3	Toluene	25	27.7	111	86-116
79-01-6	Trichloroethylene	25	28.2	113	85-124
75-01-4	Vinyl chloride	25	18.1	72	57-153
1330-20-7	Xylene (total)	75	82.1	109	86-120

Blank Spike Summary

Job Number: F61615
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2682-BS	J043158.D	1	12/01/08	KW	n/a	n/a	VJ2682

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61615-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	93%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	91%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61615
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61602-1MS	J043172.D	1	12/01/08	KW	n/a	n/a	VJ2682
F61602-1MSD	J043173.D	1	12/01/08	KW	n/a	n/a	VJ2682
F61602-1	J043169.D	1	12/01/08	KW	n/a	n/a	VJ2682

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61615-1

CAS No.	Compound	F61602-1 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	112	90	114	91	2	59-134/14
71-43-2	Benzene	1.0	U	25	28.5	114	29.0	116	2	83-124/11
75-27-4	Bromodichloromethane	1.0	U	25	25.1	100	25.5	102	2	76-116/10
75-25-2	Bromoform	1.0	U	25	21.2	85	21.3	85	0	68-128/11
108-90-7	Chlorobenzene	66.0		25	89.0	92	88.5	90	1	87-115/9
75-00-3	Chloroethane	2.0	U	25	20.1	80	22.1	88	9	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	23.3	93	23.9	96	3	67-147/12
56-23-5	Carbon tetrachloride	1.0	U	25	27.3	109	27.5	110	1	74-139/13
75-34-3	1,1-Dichloroethane	1.0	U	25	28.4	114	28.7	115	1	82-127/10
75-35-4	1,1-Dichloroethylene	1.0	U	25	26.0	104	27.8	111	7	75-133/13
107-06-2	1,2-Dichloroethane	1.0	U	25	23.4	94	23.7	95	1	76-122/11
78-87-5	1,2-Dichloropropane	1.0	U	25	27.6	110	27.8	111	1	81-120/11
124-48-1	Dibromochloromethane	1.0	U	25	23.4	94	23.9	96	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	26.3	105	27.3	109	4	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	25.6	102	25.9	104	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	27.6	110	28.2	113	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	25.9	104	26.1	104	1	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	26.0	104	26.6	106	2	87-118/10
591-78-6	2-Hexanone	10	U	125	98.9	79	105	84	6	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0	U	125	115	92	122	98	6	62-125/13
74-83-9	Methyl bromide	2.0	U	25	17.9	72	19.4	78	8	55-151/21
74-87-3	Methyl chloride	2.0	U	25	13.0	52*	15.0	60	14	55-173/22
75-09-2	Methylene chloride	5.0	U	25	25.0	100	25.4	102	2	69-125/11
78-93-3	Methyl ethyl ketone	5.0	U	125	113	90	118	94	4	61-127/13
100-42-5	Styrene	1.0	U	25	24.2	97	24.7	99	2	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0	U	25	27.7	111	28.4	114	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	23.9	96	25.1	100	5	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0	U	25	24.6	98	25.2	101	2	80-114/11
127-18-4	Tetrachloroethylene	1.0	U	25	28.7	115	28.8	115	0	80-131/12
108-88-3	Toluene	1.0	U	25	26.1	104	26.7	107	2	86-116/10
79-01-6	Trichloroethylene	1.0	U	25	27.2	109	27.4	110	1	85-124/10
75-01-4	Vinyl chloride	1.0	U	25	14.7	59	17.1	68	15	57-153/22
1330-20-7	Xylene (total)	3.0	U	75	77.9	104	78.9	105	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61615
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61602-1MS	J043172.D	1	12/01/08	KW	n/a	n/a	VJ2682
F61602-1MSD	J043173.D	1	12/01/08	KW	n/a	n/a	VJ2682
F61602-1	J043169.D	1	12/01/08	KW	n/a	n/a	VJ2682

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61615-1

CAS No.	Surrogate Recoveries	MS	MSD	F61602-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	92%	94%	90%	76-127%
2037-26-5	Toluene-D8	91%	93%	92%	86-112%
460-00-4	4-Bromofluorobenzene	88%	91%	92%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61615
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27239-MB	PP030462.D	1	11/24/08	MG	11/23/08	OP27239	GPP1114

The QC reported here applies to the following samples: **Method:** EPA 610

F61615-1

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	85%	43-121%
92-94-4	p-Terphenyl	84%	30-122%

Blank Spike Summary

Job Number: F61615
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27239-BS	PP030461.D	1	11/24/08	MG	11/23/08	OP27239	GPP1114

The QC reported here applies to the following samples: **Method:** EPA 610

F61615-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	14.9	75	60-102
208-96-8	Acenaphthylene	20	15.7	79	66-108
120-12-7	Anthracene	10	8.4	84	64-107
56-55-3	Benzo(a)anthracene	10	8.8	88	70-108
50-32-8	Benzo(a)pyrene	10	8.9	89	72-115
205-99-2	Benzo(b)fluoranthene	10	8.9	89	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.0	90	69-113
207-08-9	Benzo(k)fluoranthene	10	8.8	88	70-111
218-01-9	Chrysene	10	9.0	90	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.0	90	71-114
206-44-0	Fluoranthene	20	16.8	84	68-110
86-73-7	Fluorene	20	15.7	79	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	8.7	87	69-110
91-20-3	Naphthalene	20	12.5	63	55-94
90-12-0	1-Methylnaphthalene	20	13.4	67	55-97
91-57-6	2-Methylnaphthalene	20	13.1	66	51-97
85-01-8	Phenanthrene	20	16.6	83	67-108
129-00-0	Pyrene	20	17.3	87	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	82%	43-121%
92-94-4	p-Terphenyl	82%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61615
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27239-MS	PP030464.D	1	11/24/08	MG	11/23/08	OP27239	GPP1114
OP27239-MSD	PP030465.D	1	11/24/08	MG	11/23/08	OP27239	GPP1114
F61615-1	PP030463.D	1	11/24/08	MG	11/23/08	OP27239	GPP1114

The QC reported here applies to the following samples: **Method:** EPA 610

F61615-1

CAS No.	Compound	F61615-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	30.2	79	30.3	79	0	60-102/33
208-96-8	Acenaphthylene	ND		38.5	31.8	83	31.8	83	0	66-108/32
120-12-7	Anthracene	ND		19.2	17.5	91	17.2	89	2	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	17.5	91	17.7	92	1	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	17.7	92	18.0	94	2	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	17.8	93	18.1	94	2	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	17.7	92	18.1	94	2	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	17.3	90	17.7	92	2	70-111/21
218-01-9	Chrysene	ND		19.2	17.7	92	18.0	94	2	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	17.7	92	18.1	94	2	71-114/23
206-44-0	Fluoranthene	ND		38.5	34.3	89	34.1	89	1	68-110/17
86-73-7	Fluorene	ND		38.5	31.9	83	31.7	82	1	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	17.1	89	17.5	91	2	69-110/22
91-20-3	Naphthalene	ND		38.5	24.9	65	26.0	68	4	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	27.2	71	27.8	72	2	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	26.7	69	27.3	71	2	51-97/25
85-01-8	Phenanthrene	ND		38.5	34.2	89	33.7	88	1	67-108/22
129-00-0	Pyrene	ND		38.5	35.2	92	35.1	91	0	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61615-1	Limits
84-15-1	o-Terphenyl	88%	87%	80%	43-121%
92-94-4	p-Terphenyl	84%	85%	67%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/25/08



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F61428

Sampling Dates: 11/03/08 - 11/07/08

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: **33**

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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Sample Summary

Shaw E & I, Inc.

Job No: F61428

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61428-1	11/07/08	08:10	BR	11/10/08	AQ	Ground Water	USTHPFF-MWA
F61428-2	11/07/08	09:00	BR	11/10/08	AQ	Ground Water	UST1115GT-MW04
F61428-3	11/03/08	00:00	BR	11/10/08	AQ	Trip Blank Water	TRIP BLANK 110308

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFF-MWA		
Lab Sample ID:	F61428-1	**Date Sampled:**	11/07/08
Matrix:	AQ - Ground Water	**Date Received:**	11/10/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032146.D	20	11/19/08	AJ	n/a	n/a	VF804
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	284	20	8.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.0	ug/l	
75-25-2	Bromoform	ND	20	6.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.4	ug/l	
75-00-3	Chloroethane	ND	40	9.6	ug/l	
67-66-3	Chloroform	7.4	20	5.6	ug/l	J
75-15-0	Carbon disulfide	ND	40	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	4.8	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.8	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	4.2	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	9.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	234	20	8.6	ug/l	
591-78-6	2-Hexanone	ND	200	100	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	40	ug/l	
74-83-9	Methyl bromide	ND	40	16	ug/l	
74-87-3	Methyl chloride	ND	40	12	ug/l	
75-09-2	Methylene chloride [a]	28.1	100	20	ug/l	J
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
100-42-5	Styrene	ND	20	7.2	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	5.2	ug/l	
127-18-4	Tetrachloroethylene	ND	20	4.4	ug/l	
108-88-3	Toluene	377	20	7.0	ug/l	
79-01-6	Trichloroethylene	ND	20	6.4	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-MWA		
Lab Sample ID:	F61428-1	**Date Sampled:**	11/07/08
Matrix:	AQ - Ground Water	**Date Received:**	11/10/08
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	6.0	ug/l	
1330-20-7	Xylene (total)	1900	60	23	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	114%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	99%		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-MWA		
Lab Sample ID:	F61428-1	**Date Sampled:**	11/07/08
Matrix:	AQ - Ground Water	**Date Received:**	11/10/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA046431.D	4	11/17/08	FEA	11/11/08	OP27102	GAA1865
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	7.6	3.8	ug/l	
208-96-8	Acenaphthylene	ND	7.6	3.8	ug/l	
120-12-7	Anthracene	ND	7.6	3.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.76	0.19	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.76	0.19	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.76	0.19	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.76	0.38	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.76	0.19	ug/l	
218-01-9	Chrysene	ND	7.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.76	0.19	ug/l	
206-44-0	Fluoranthene	ND	7.6	1.9	ug/l	
86-73-7	Fluorene	ND	7.6	3.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.76	0.19	ug/l	
91-20-3	Naphthalene	215	7.6	3.8	ug/l	
90-12-0	1-Methylnaphthalene	107	7.6	1.9	ug/l	
91-57-6	2-Methylnaphthalene	166	7.6	1.9	ug/l	
85-01-8	Phenanthrene	18.0	7.6	3.8	ug/l	
129-00-0	Pyrene	ND	7.6	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	302% [b]		43-121%
92-94-4	p-Terphenyl	77%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: UST1115GT-MW04
Lab Sample ID: F61428-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 11/07/08
Date Received: 11/10/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032152.D	20	11/19/08	AJ	n/a	n/a	VF804
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	39.0	20	8.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.0	ug/l	
75-25-2	Bromoform	ND	20	6.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.4	ug/l	
75-00-3	Chloroethane	ND	40	9.6	ug/l	
67-66-3	Chloroform	ND	20	5.6	ug/l	
75-15-0	Carbon disulfide	ND	40	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	4.8	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.8	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	4.2	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	6.0	20	4.0	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	9.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	352	20	8.6	ug/l	
591-78-6	2-Hexanone	ND	200	100	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	40	ug/l	
74-83-9	Methyl bromide	ND	40	16	ug/l	
74-87-3	Methyl chloride	ND	40	12	ug/l	
75-09-2	Methylene chloride [a]	36.5	100	20	ug/l	J
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
100-42-5	Styrene	ND	20	7.2	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	5.2	ug/l	
127-18-4	Tetrachloroethylene	ND	20	4.4	ug/l	
108-88-3	Toluene	1200	20	7.0	ug/l	
79-01-6	Trichloroethylene	ND	20	6.4	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-MW04		
Lab Sample ID:	F61428-2	**Date Sampled:**	11/07/08
Matrix:	AQ - Ground Water	**Date Received:**	11/10/08
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	6.0	ug/l	
1330-20-7	Xylene (total)	1790	60	23	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		87-116%
17060-07-0	1,2-Dichloroethane-D4	122%		76-127%
2037-26-5	Toluene-D8	98%		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 Laboratories

Report of Analysis

Client Sample ID:	UST1115GT-MW04		
Lab Sample ID:	F61428-2	**Date Sampled:**	11/07/08
Matrix:	AQ - Ground Water	**Date Received:**	11/10/08
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE059042.D	1	11/14/08	MRE	11/11/08	OP27102	GEE2151
Run #2 [b]	EE059148.D	1	11/20/08	FEA	11/17/08	OP27162	GEE2155

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	4.1 [c]	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	46%	24% [d]	43-121%
92-94-4	p-Terphenyl	27% [d]	25% [d]	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(b) Confirmation run.
(c) Result is from Run# 2
(d) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: TRIP BLANK 110308
Lab Sample ID: F61428-3
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 11/03/08
Date Received: 11/10/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H052418.D	1	11/17/08	SH	n/a	n/a	VH1952
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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 110308		
Lab Sample ID:	F61428-3	**Date Sampled:**	11/03/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/10/08
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	95%		76-127%
2037-26-5	Toluene-D8	91%		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-HPFF-110708-1

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F 61428

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	

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	Analysis Desired: PAH 610
1	USTHPFF-MWA	11/7/08	8:10		X	USTHPFF-MWA	5	X	X
2	UST1115GT-MW04	11/7/08	9:00		X	UST1115GT-MW04	5	X	X
3	Trip Blank 110308	11/3/08			X	Trip Blank 110308	2	X	

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 3	[signature]	FedEx	11/7/08	13:00
2		FX	[signature]	11-10-08	09:00
3					

Remarks

2.4

14 Day TAT

FedEx 8668 3649 8167

F61428: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61428 CLIENT: SHAW PROJECT: CAMP LEJEUNE - HOFF

DATE/TIME RECEIVED: 11-10-08 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3649 8167

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)
- [ ] 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 11-10-08 TECHNICIAN SIGNATURE/DATE: 11-10-08 ASBD 12/17/07

F61428: 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: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1952-MB	H052416.D	1	11/17/08	SH	n/a	n/a	VH1952

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1952-MB	H052416.D	1	11/17/08	SH	n/a	n/a	VH1952

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	76-127%
2037-26-5	Toluene-D8	93%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Method Blank Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF804-MB	F032139.D	1	11/19/08	AJ	n/a	n/a	VF804

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-1, F61428-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF804-MB	F032139.D	1	11/19/08	AJ	n/a	n/a	VF804

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-1, F61428-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	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%

Blank Spike Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1952-BS	H052415.D	1	11/17/08	SH	n/a	n/a	VH1952

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	66.0	53*	59-134
71-43-2	Benzene	25	25.7	103	83-124
75-27-4	Bromodichloromethane	25	23.7	95	76-116
75-25-2	Bromoform	25	19.9	80	68-128
108-90-7	Chlorobenzene	25	23.8	95	87-115
75-00-3	Chloroethane	25	25.5	102	54-166
67-66-3	Chloroform	25	26.2	105	85-123
75-15-0	Carbon disulfide	25	19.0	76	67-147
56-23-5	Carbon tetrachloride	25	26.3	105	74-139
75-34-3	1,1-Dichloroethane	25	20.6	82	82-127
75-35-4	1,1-Dichloroethylene	25	20.9	84	75-133
107-06-2	1,2-Dichloroethane	25	24.3	97	76-122
78-87-5	1,2-Dichloropropane	25	25.7	103	81-120
124-48-1	Dibromochloromethane	25	20.9	84	74-116
156-59-2	cis-1,2-Dichloroethylene	25	21.2	85	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.4	94	83-119
156-60-5	trans-1,2-Dichloroethylene	25	19.5	78*	82-126
10061-02-6	trans-1,3-Dichloropropene	25	21.7	87	87-123
100-41-4	Ethylbenzene	25	25.1	100	87-118
591-78-6	2-Hexanone	125	84.0	67	58-125
108-10-1	4-Methyl-2-pentanone	125	108	86	62-125
74-83-9	Methyl bromide	25	19.7	79	55-151
74-87-3	Methyl chloride	25	21.2	85	55-173
75-09-2	Methylene chloride	25	18.1	72	69-125
78-93-3	Methyl ethyl ketone	125	90.1	72	61-127
100-42-5	Styrene	25	23.0	92	78-118
71-55-6	1,1,1-Trichloroethane	25	25.6	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.7	91	71-120
79-00-5	1,1,2-Trichloroethane	25	22.5	90	80-114
127-18-4	Tetrachloroethylene	25	24.7	99	80-131
108-88-3	Toluene	25	22.3	89	86-116
79-01-6	Trichloroethylene	25	25.5	102	85-124
75-01-4	Vinyl chloride	25	20.3	81	57-153
1330-20-7	Xylene (total)	75	70.0	93	86-120

Blank Spike Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1952-BS	H052415.D	1	11/17/08	SH	n/a	n/a	VH1952

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	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	101%	84-120%

Blank Spike Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF804-BS	F032138.D	1	11/19/08	AJ	n/a	n/a	VF804

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-1, F61428-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	158	126	59-134
71-43-2	Benzene	25	24.5	98	83-124
75-27-4	Bromodichloromethane	25	23.9	96	76-116
75-25-2	Bromoform	25	25.4	102	68-128
108-90-7	Chlorobenzene	25	24.1	96	87-115
75-00-3	Chloroethane	25	26.6	106	54-166
67-66-3	Chloroform	25	25.8	103	85-123
75-15-0	Carbon disulfide	25	22.1	88	67-147
56-23-5	Carbon tetrachloride	25	26.2	105	74-139
75-34-3	1,1-Dichloroethane	25	25.6	102	82-127
75-35-4	1,1-Dichloroethylene	25	24.5	98	75-133
107-06-2	1,2-Dichloroethane	25	25.4	102	76-122
78-87-5	1,2-Dichloropropane	25	23.5	94	81-120
124-48-1	Dibromochloromethane	25	24.3	97	74-116
156-59-2	cis-1,2-Dichloroethylene	25	22.8	91	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.4	102	83-119
156-60-5	trans-1,2-Dichloroethylene	25	24.3	97	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.7	111	87-123
100-41-4	Ethylbenzene	25	25.0	100	87-118
591-78-6	2-Hexanone	125	145	116	58-125
108-10-1	4-Methyl-2-pentanone	125	139	111	62-125
74-83-9	Methyl bromide	25	26.5	106	55-151
74-87-3	Methyl chloride	25	28.8	115	55-173
75-09-2	Methylene chloride	25	26.0	104	69-125
78-93-3	Methyl ethyl ketone	125	152	122	61-127
100-42-5	Styrene	25	23.2	93	78-118
71-55-6	1,1,1-Trichloroethane	25	26.2	105	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.1	100	71-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	80-114
127-18-4	Tetrachloroethylene	25	24.2	97	80-131
108-88-3	Toluene	25	24.3	97	86-116
79-01-6	Trichloroethylene	25	24.4	98	85-124
75-01-4	Vinyl chloride	25	27.4	110	57-153
1330-20-7	Xylene (total)	75	76.5	102	86-120

Blank Spike Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF804-BS	F032138.D	1	11/19/08	AJ	n/a	n/a	VF804

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-1, F61428-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	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: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61504-9MS	H052424.D	1	11/17/08	SH	n/a	n/a	VH1952
F61504-9MSD	H052425.D	1	11/17/08	SH	n/a	n/a	VH1952
F61504-9	H052423.D	1	11/17/08	SH	n/a	n/a	VH1952

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-3

CAS No.	Compound	F61504-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	50.3	40*	60.2	48*	18*	59-134/14
71-43-2	Benzene	ND		25	26.5	106	25.4	102	4	83-124/11
75-27-4	Bromodichloromethane	ND		25	22.2	89	24.6	98	10	76-116/10
75-25-2	Bromoform	ND		25	20.1	80	21.0	84	4	68-128/11
108-90-7	Chlorobenzene	ND		25	24.5	98	24.0	96	2	87-115/9
75-00-3	Chloroethane	ND		25	19.4	78	23.8	95	20	54-166/20
67-66-3	Chloroform	ND		25	25.9	104	25.7	103	1	85-123/10
75-15-0	Carbon disulfide	ND		25	18.1	72	20.4	82	12	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.5	106	25.6	102	3	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	20.3	81*	21.1	84	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	20.5	82	23.2	93	12	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	24.8	99	24.1	96	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	22.1	88	25.7	103	15*	81-120/11
124-48-1	Dibromochloromethane	ND		25	20.9	84	20.8	83	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	22.2	89	21.6	86	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	18.6	74*	23.2	93	22*	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	18.8	75*	19.3	77*	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	21.5	86*	21.8	87	1	87-123/10
100-41-4	Ethylbenzene	ND		25	25.2	101	24.8	99	2	87-118/10
591-78-6	2-Hexanone	ND		125	82.9	66	91.3	73	10	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	96.7	77	132	106	31*	62-125/13
74-83-9	Methyl bromide	ND		25	15.9	64	21.4	86	29*	55-151/21
74-87-3	Methyl chloride	ND		25	16.9	68	21.2	85	23*	55-173/22
75-09-2	Methylene chloride	ND		25	17.2	69	17.8	71	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	85.4	68	94.3	75	10	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	25.5	102	25.6	102	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	22.1	88	23.1	92	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.7	91	23.5	94	3	80-114/11
127-18-4	Tetrachloroethylene	ND		25	23.8	95	23.1	92	3	80-131/12
108-88-3	Toluene	ND		25	21.9	88	21.7	87	1	86-116/10
79-01-6	Trichloroethylene	ND		25	25.2	101	25.0	100	1	85-124/10
75-01-4	Vinyl chloride	ND		25	15.8	63	19.7	79	22	57-153/22
1330-20-7	Xylene (total)	ND		75	71.5	95	68.7	92	4	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61504-9MS	H052424.D	1	11/17/08	SH	n/a	n/a	VH1952
F61504-9MSD	H052425.D	1	11/17/08	SH	n/a	n/a	VH1952
F61504-9	H052423.D	1	11/17/08	SH	n/a	n/a	VH1952

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-3

CAS No.	Surrogate Recoveries	MS	MSD	F61504-9	Limits
1868-53-7	Dibromofluoromethane	101%	99%	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	97%	94%	76-127%
2037-26-5	Toluene-D8	96%	94%	91%	86-112%
460-00-4	4-Bromofluorobenzene	101%	103%	100%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61482-9MS	F032143.D	20	11/19/08	AJ	n/a	n/a	VF804
F61482-9MSD	F032144.D	20	11/19/08	AJ	n/a	n/a	VF804
F61482-9	F032142.D	20	11/19/08	AJ	n/a	n/a	VF804

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-1, F61428-2

CAS No.	Compound	F61482-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	500 U		2500	2420	97	2410	96	0	59-134/14
71-43-2	Benzene	20 U		500	501	100	496	99	1	83-124/11
75-27-4	Bromodichloromethane	20 U		500	501	100	486	97	3	76-116/10
75-25-2	Bromoform	20 U		500	501	100	503	101	0	68-128/11
108-90-7	Chlorobenzene	20 U		500	474	95	472	94	0	87-115/9
75-00-3	Chloroethane	40 U		500	527	105	502	100	5	54-166/20
67-66-3	Chloroform	20 U		500	525	105	511	102	3	85-123/10
75-15-0	Carbon disulfide	40 U		500	479	96	457	91	5	67-147/12
56-23-5	Carbon tetrachloride	20 U		500	537	107	507	101	6	74-139/13
75-34-3	1,1-Dichloroethane	20 U		500	526	105	509	102	3	82-127/10
75-35-4	1,1-Dichloroethylene	20 U		500	578	116	571	114	1	75-133/13
107-06-2	1,2-Dichloroethane	20 U		500	534	107	515	103	4	76-122/11
78-87-5	1,2-Dichloropropane	20 U		500	475	95	470	94	1	81-120/11
124-48-1	Dibromochloromethane	20 U		500	482	96	485	97	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	892		500	1340	90	1320	86	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	20 U		500	516	103	507	101	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	12.6	J	500	510	99	498	97	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	20 U		500	539	108	538	108	0	87-123/10
100-41-4	Ethylbenzene	20 U		500	497	99	492	98	1	87-118/10
591-78-6	2-Hexanone	200 U		2500	2640	106	2670	107	1	58-125/14
108-10-1	4-Methyl-2-pentanone	100 U		2500	2660	106	2690	108	1	62-125/13
74-83-9	Methyl bromide	40 U		500	517	103	501	100	3	55-151/21
74-87-3	Methyl chloride	40 U		500	536	107	543	109	1	55-173/22
75-09-2	Methylene chloride	100 U		500	537	107	538	108	0	69-125/11
78-93-3	Methyl ethyl ketone	100 U		2500	2590	104	2580	103	0	61-127/13
100-42-5	Styrene	20 U		500	462	92	455	91	2	78-118/11
71-55-6	1,1,1-Trichloroethane	20 U		500	539	108	514	103	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	20 U		500	497	99	502	100	1	71-120/11
79-00-5	1,1,2-Trichloroethane	20 U		500	475	95	477	95	0	80-114/11
127-18-4	Tetrachloroethylene	12.0	J	500	480	94	467	91	3	80-131/12
108-88-3	Toluene	20 U		500	478	96	474	95	1	86-116/10
79-01-6	Trichloroethylene	1020		500	1450	86	1410	78* [a]	3	85-124/10
75-01-4	Vinyl chloride	20 U		500	424	85	426	85	0	57-153/22
1330-20-7	Xylene (total)	60 U		1500	1530	102	1500	100	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61482-9MS	F032143.D	20	11/19/08	AJ	n/a	n/a	VF804
F61482-9MSD	F032144.D	20	11/19/08	AJ	n/a	n/a	VF804
F61482-9	F032142.D	20	11/19/08	AJ	n/a	n/a	VF804

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61428-1, F61428-2

CAS No.	Surrogate Recoveries	MS	MSD	F61482-9	Limits
1868-53-7	Dibromofluoromethane	106%	105%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	119%	114%	116%	76-127%
2037-26-5	Toluene-D8	98%	99%	104%	86-112%
460-00-4	4-Bromofluorobenzene	99%	101%	102%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27102-MB	EE059034.D	1	11/14/08	MRE	11/11/08	OP27102	GEE2151

The QC reported here applies to the following samples: **Method:** EPA 610

F61428-1, F61428-2

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	43-121%
92-94-4	p-Terphenyl	89%	30-122%

Method Blank Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27102-MB	AA046430.D	1	11/17/08	FEA	11/11/08	OP27102	GAA1865

The QC reported here applies to the following samples: **Method:** EPA 610

F61428-1, F61428-2

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	43-121%
92-94-4	p-Terphenyl	85%	30-122%

Blank Spike Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27102-BS	EE059033.D	1	11/14/08	MRE	11/11/08	OP27102	GEE2151

The QC reported here applies to the following samples: **Method:** EPA 610

F61428-1, F61428-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	16.6	83	60-102
208-96-8	Acenaphthylene	20	17.7	89	66-108
120-12-7	Anthracene	10	9.6	96	64-107
56-55-3	Benzo(a)anthracene	10	9.3	93	70-108
50-32-8	Benzo(a)pyrene	10	9.4	94	72-115
205-99-2	Benzo(b)fluoranthene	10	9.3	93	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.2	92	69-113
207-08-9	Benzo(k)fluoranthene	10	9.2	92	70-111
218-01-9	Chrysene	10	9.6	96	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.1	91	71-114
206-44-0	Fluoranthene	20	18.2	91	68-110
86-73-7	Fluorene	20	17.2	86	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	8.9	89	69-110
91-20-3	Naphthalene	20	14.3	72	55-94
90-12-0	1-Methylnaphthalene	20	15.2	76	55-97
91-57-6	2-Methylnaphthalene	20	14.9	75	51-97
85-01-8	Phenanthrene	20	18.3	92	67-108
129-00-0	Pyrene	20	18.8	94	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	88%	43-121%
92-94-4	p-Terphenyl	89%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61428
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27102-MS	EE059036.D	1	11/14/08	MRE	11/11/08	OP27102	GEE2151
OP27102-MSD	EE059037.D	1	11/14/08	MRE	11/11/08	OP27102	GEE2151
F61341-1 [a]	EE059035.D	1	11/14/08	MRE	11/11/08	OP27102	GEE2151

The QC reported here applies to the following samples: **Method:** EPA 610

F61428-1, F61428-2

CAS No.	Compound	F61341-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	32.1	83	36.0	94	11	60-102/33
208-96-8	Acenaphthylene	ND		38.5	43.0	112*	53.2	138*	21	66-108/32
120-12-7	Anthracene	ND		19.2	18.3	95	19.6	102	7	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	17.9	93	18.3	95	2	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	18.4	96	18.6	97	1	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	18.1	94	17.8	93	2	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	18.3	95	18.3	95	0	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	17.9	93	18.1	94	1	70-111/21
218-01-9	Chrysene	ND		19.2	18.1	94	18.5	96	2	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	18.3	95	18.2	95	1	71-114/23
206-44-0	Fluoranthene	ND		38.5	34.6	90	36.2	94	5	68-110/17
86-73-7	Fluorene	3.5		38.5	35.2	82	38.1	90	8	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	17.8	93	17.9	93	1	69-110/22
91-20-3	Naphthalene	6.4		38.5	32.5	68	34.5	73	6	55-94/28
90-12-0	1-Methylnaphthalene	30.2		38.5	56.1	67	61.7	82	10	55-97/29
91-57-6	2-Methylnaphthalene	14.3		38.5	39.1	64	42.4	73	8	51-97/25
85-01-8	Phenanthrene	3.6		38.5	35.7	83	38.2	90	7	67-108/22
129-00-0	Pyrene	0.60	J	38.5	36.1	92	37.6	96	4	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F61341-1	Limits
84-15-1	o-Terphenyl	92%	95%	104%	43-121%
92-94-4	p-Terphenyl	88%	91%	88%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.

APPENDIX D

GROUNDWATER SAMPLE COLLECTION LOGS OCTOBER 2008 AND MARCH 2009

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-MW01 SAMPLE NO.UST# 1115-MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-29-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1045
PHONE: 910-451-2390	WEATHER: Sunny Cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.03	5.00	4.95	4.79			(STD)
Specific Conductivity	0.154	0.153	0.151	0.148			(m S/cm)
Turbidity (Turb)	134.0	121.8	79.1	43.3			(NTU)
Dissolved Oxygen (DO)	2.00	1.65	1.50	1.43			(mg/l)
Temperature (Temp)	23.43	23.24	23.69	24.41			(°C)
ORP	19.9	22.6	21.9	35.0			

Depth to Bottom	179.76	(In) (Minus)	Depth to Water	125.04	(In)	=	54.72	HT (in)
Depth to Bottom	14.98	(Ft) (Minus)	Depth to Water	10.42	(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	2 1/2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW01	3-40ml	HCL
PAH	UST 1115-MW01	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

OTHER: ☐

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-MW02 ✓✓ SAMPLE NO.USTH MW02

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/24/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 14:15
PHONE: 910-451-2390	WEATHER: Cloudy	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.30	5.43	5.52	5.52			(STD)
Specific Conductivity	0.619	0.581	0.701	0.700			(m S/cm)
Turbidity (Turb)	410.9	357.1	321.1	313.2			(NTU)
Dissolved Oxygen (DO)	7.36	7.34	7.27	7.26			(mg/l)
Temperature (Temp)	21.94	23.74	23.77	23.77			(°C)
ORP	180.0	179.5	181.3	181.5			

Depth to Bottom	166.92	(In) (Minus)	Depth to Water	121.32	(In)	=	45.60	HT (in)
Depth to Bottom	13.91	(Ft) (Minus)	Depth to Water	10.11	(Ft)	=	3.80	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			45.60	1	3.14	143	.0043	0.6		1.8	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ust1115-mw02	3-40ml	HCL
PAH	~~UST~~ust1115-mw02	2-1Liter Amber	4°C

COMMENTS: Cloudy - Brown

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST 1115-MW03
		SAMPLE NO. UST 1115-MW03

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1100
PHONE: 910-451-2390	WEATHER: Sunny Clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.36	5.78	5.59	5.49			(STD)
Specific Conductivity	0.343	0.332	0.331	0.334			(m S/cm)
Turbidity (Turb)	1228.1	581.0	225.3	115.1			(NTU)
Dissolved Oxygen (DO)	5.13	4.37	5.03	4.81			(mg/l)
Temperature (Temp)	22.98	23.31	23.28	23.26			(°C)
ORP	-14.4	-3.3	-1.4	0.1			

Depth to Bottom	233.64	(In) (Minus)	Depth to Water	109.92	(In)	=	123.72	HT (in)
Depth to Bottom	19.47	(Ft) (Minus)	Depth to Water	9.16	(Ft)	=	10.31	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			123.72	1	3.14	388	.0043	1.7		5.0	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW03	3-40ml	HCL
PAH	UST 1115-MW03	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

~~OTHER: ☐~~

NW

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST 1115-MW04
SAMPLE NO. UST 1115-MW04

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0840
PHONE: 910-451-2390	WEATHER: Sunny Cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.96	5.29	5.39	5.42			(STD)
Specific Conductivity	0.329	0.329	0.222	0.220			(m S/cm)
Turbidity (Turb)	30.2	34.4	36.6	35.0			(NTU)
Dissolved Oxygen (DO)	2.80	2.01	1.53	1.45			(mg/l)
Temperature (Temp)	18.35	18.11	17.90	18.96			(°C)
ORP	-8.0	-11.8	-9.4	-9.3			

Depth to Bottom	210.24	(In) (Minus)	Depth to Water	57.60	(In)	=	152.64	HT (in)
Depth to Bottom	17.52	(Ft) (Minus)	Depth to Water	4.80	(Ft)	=	12.72	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			152.64	1	3.14	479	.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 1115-MW04	3-40ml	HCL
PAH	UST 1115-MW04	2-1Liter Amber	4° C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST/115-mw05 SAMPLE NO.UST#115-mw05

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER: Cloudy 50°	
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	14.45	(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
PAH	UST	2-1Liter Amber	4°C

COMMENTS: Well Dry 10-24-08

Well Dry 10-27-08

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST 1115-MW06
SAMPLE NO.USTH MW06

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/23/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0915
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.15	4.12	4.04	4.04			(STD)
Specific Conductivity	0.745	0.789	0.881	0.885			(m S/cm)
Turbidity (Turb)	44.5	30.6	20.5	18.1			(NTU)
Dissolved Oxygen (DO)	0.48	0.45	0.40	0.40			(mg/l)
Temperature (Temp)	21.69	21.77	21.70	21.70			(°C)
ORP	200.3	200.0	195.2	195.1			

Depth to Bottom	244.56	(In) (Minus)	Depth to Water	133.68	(In)	=	110.88	HT (in)
Depth to Bottom	20.38	(Ft) (Minus)	Depth to Water	11.14	(Ft)	=	9.24	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			110.88	1	3.14	348	.0043	1.5		4.5	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW06	3-40ml	HCL
PAH	UST 1115-MW06	2-1Liter Amber	4°C

COMMENTS: AIR IN WATER Clear

PURGE DISCHARGED: | DRUM: ☐ | DRUM# | SITE TREATMENT: [X]

OTHER: ☐

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST 1115-MW07
		SAMPLE NO.UST# 1115-MW07

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0920
PHONE: 910-451-2390	WEATHER: Sunny Clear 55°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.63	6.51	6.49	6.46			(STD)
Specific Conductivity	0.262	0.260	0.258	0.257			(m S/cm)
Turbidity (Turb)	68.0	36.3	18.2	10.6			(NTU)
Dissolved Oxygen (DO)	3.18	2.91	2.73	2.17			(mg/l)
Temperature (Temp)	22.25	22.06	22.26	22.65			(°C)
ORP	-162.4	-175.3	-177.6	-181.6			

Depth to Bottom	243.96	(In) (Minus)	Depth to Water	96.36	(In)	=	147.60	HT (in)
Depth to Bottom	20.33	(Ft) (Minus)	Depth to Water	8.03	(Ft)	=	12.30	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			147.60	1	3.14	463	.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
PAH	UST 1115-MW07	2-1Liter Amber	4°C

COMMENTS: Strong gas fumes.
Bubbles in purge water.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-MW08 SAMPLE NO.UST# 1115-MW08

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME ~~#~~ 0950
PHONE: 910-451-2390	WEATHER: Sunny Cool 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.04	4.81	4.32	4.07			(STD)
Specific Conductivity	0.231	0.231	0.234	0.251			(m S/cm)
Turbidity (Turb)	404.3	302.2	185.4	398.8			(NTU)
Dissolved Oxygen (DO)	10.97	6.80	7.30	7.04			(mg/l)
Temperature (Temp)	18.52	18.69	19.29	20.01			(°C)
ORP	32.6	61.4	65.9	67.0			

Depth to Bottom	213.12	(In) (Minus)	Depth to Water	132.96	(In)	=	80.16	HT (in)
Depth to Bottom	17.76	(Ft) (Minus)	Depth to Water	11.08	(Ft)	=	6.68	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			80.16	1	3.14	252	.0043	1.1		3.2	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW08	3-40ml	HCL
PAH	UST 1115-MW08	2-1Liter Amber	4°C

COMMENTS: light Rusty color in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST 1115 - MW09
		SAMPLE NO.UST# 1115-MW09

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-22-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1420
PHONE: 910-451-2390	WEATHER: Sunny Clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.21	5.74	5.49	5.42			(STD)
Specific Conductivity	0.207	17.8	0.188	0.182			(m S/cm)
Turbidity (Turb)	33.1	14.78	8.2	5.9			(NTU)
Dissolved Oxygen (DO)	3.55	1.42	1.10	1.02			(mg/l)
Temperature (Temp)	20.69	20.90	21.20	21.35			(°C)
ORP	-20.9	-8.1	-6.4	-6.0			

Depth to Bottom	254.64	(In) (Minus)	Depth to Water	138.60	(In)	=	116.04	HT (in)
Depth to Bottom	21.22	(Ft) (Minus)	Depth to Water	11.55	(Ft)	=	9.67	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			116.04	1	3.14	364	.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	UST 1115-MW09	3-40ml	HCL
PAH	UST 1115-MW09	2-1Liter Amber	4° C

COMMENTS: Bubbles in purge water.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST 1115-MW10
		SAMPLE NO.UST 1115-MW10

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1110
PHONE: 910-451-2390	WEATHER: Sunny 50-60	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.99	5.04	5.04	4.94			(STD)
Specific Conductivity	0.186	0.182	0.179	0.172			(m S/cm)
Turbidity (Turb)	346.9	278.3	134.5	83.8			(NTU)
Dissolved Oxygen (DO)	3.77	3.78	3.63	3.36			(mg/l)
Temperature (Temp)	26.36	26.96	27.30	27.74			(°C)
ORP	-11.3	-6.9	0.6	4.6			

Depth to Bottom	168.00	(In) (Minus)	Depth to Water	84.00	(In)	=	84.00	HT (in)
Depth to Bottom	14.00	(Ft) (Minus)	Depth to Water	7.00	(Ft)	=	7.00	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			84.00	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	UST 1115-MW10	3-40ml	HCL
PAH	UST 1115-MW10	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-MW11 SAMPLE NO.UST# 1115-MW11

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1045
PHONE: 910-451-2390	WEATHER: Sunny Cool 58°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	3.91	3.98	3.97	3.96			(STD)
Specific Conductivity	0.266	0.264	0.265	0.267			(m S/cm)
Turbidity (Turb)	241.2	200.5	247.3	212.2			(NTU)
Dissolved Oxygen (DO)	4.01	1.76	1.29	1.20			(mg/l)
Temperature (Temp)	21.26	21.68	21.73	21.82			(°C)
ORP	1.2	2.4	1.8	1.3			

Depth to Bottom	250.68	(In) (Minus)	Depth to Water	128.28	(In)	=	122.40	HT (in)
Depth to Bottom	20.89	(Ft) (Minus)	Depth to Water	10.69	(Ft)	=	10.20	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			122.40	1	3.14	384	.0043	1.7		5.0	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW11	3-40ml	HCL
PAH	UST 1115-MW11	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-MW12 SAMPLE NO.USTH MW12

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/23/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 13:40
PHONE: 910-451-2390	WEATHER: Sunny 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.77	5.80	5.83	5.86			(STD)
Specific Conductivity	0.690	0.694	0.693	0.690			(m S/cm)
Turbidity (Turb)	72.4	76.2	66.6	62.7			(NTU)
Dissolved Oxygen (DO)	7.85	7.96	8.03	8.08			(mg/l)
Temperature (Temp)	26.20	26.20	26.21	26.23			(°C)
ORP	17.1	16.8	17.4	17.4			

Depth to Bottom	181.20	(In) (Minus)	Depth to Water	88.20	(In)	=	93.00	HT (in)
Depth to Bottom	15.10	(Ft) (Minus)	Depth to Water	7.35	(Ft)	=	7.75	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			93.00	1	3.14	292	.0043	1.3		3.8	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW12	3-40ml	HCL
PAH	UST 1115-MW12	2-1Liter Amber	4^0 C

COMMENTS: Brown - Cloudy

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115 - MW13 SAMPLE NO.USTH MW13

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/23/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 10:45
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	8.36	8.02	5.71	5.50			(STD)
Specific Conductivity	0.766	0.829	1.046	1.049			(m S/cm)
Turbidity (Turb)	0	0.6	4.5	5.1			(NTU)
Dissolved Oxygen (DO)	2.90	1.81	0.79	0.79			(mg/l)
Temperature (Temp)	24.75	24.98	24.93	24.92			(°C)
ORP	69.7	69.3	114.8	115.6			

Depth to Bottom	605.04	(In) (Minus)	Depth to Water	123.24	(In)	=	481.80	HT (in)
Depth to Bottom	50.42	(Ft) (Minus)	Depth to Water	10.27	(Ft)	=	40.15	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			481.80	1	3.14	1513	.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	UST 1115-MW13	3-40ml	HCL
PAH	UST 1115-MW13	2-1Liter Amber	4° C

COMMENTS: AIR IN WATER Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-MW14 SAMPLE NO.UST# 1115-MW14

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1015
PHONE: 910-451-2390	WEATHER: Sunny cool 58°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	3.42	3.46	3.48	3.50			(STD)
Specific Conductivity	0.743	0.742	0.735	0.732			(m S/cm)
Turbidity (Turb)	11.5	8.4	5.5	5.3			(NTU)
Dissolved Oxygen (DO)	1.55	1.25	1.14	1.07			(mg/l)
Temperature (Temp)	20.02	20.38	20.73	20.90			(°C)
ORP	77.0	70.8	66.7	61.5			

Depth to Bottom	625.20	(In) (Minus)	Depth to Water	151.08	(In)	=	474.12	HT (in)
Depth to Bottom	52.10	(Ft) (Minus)	Depth to Water	12.59	(Ft)	=	39.51	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			474.12	1	3.14	1489	.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-MW14	3-40ml	HCL
PAH	UST 1115-MW14	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST 1115 MW15
		SAMPLE NO.USTH MW15

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/23/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 14:00
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.70	6.74	6.77	6.78			(STD)
Specific Conductivity	0.778	0.774	0.769	0.769			(m S/cm)
Turbidity (Turb)	29.2	18.2	9.1	10.3			(NTU)
Dissolved Oxygen (DO)	8.74	8.73	8.71	8.71			(mg/l)
Temperature (Temp)	24.83	24.80	24.76	24.76			(°C)
ORP	4.0	5.4	9.2	9.9			

Depth to Bottom	600.84	(In) (Minus)	Depth to Water	124.80	(In)	=	476.04	HT (in)
Depth to Bottom	~~479~~ 50.07	(Ft) (Minus)	Depth to Water	10.40	(Ft)	=	39.67	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			476.04	1	3.14	1495	.0043	64		19.3	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW15	3-40ml	HCL
PAH	UST 1115-MW15	2-1Liter Amber	4°C

COMMENTS: AIR IN WATER - Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST/1115-MW17
		SAMPLE NO.UST#1115-MW17

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0855
PHONE: 910-451-2390	WEATHER: Sunny Cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.08	3.93	3.88	3.87			(STD)
Specific Conductivity	2.629	2.637	2.649	2.644			(m S/cm)
Turbidity (Turb)	49.3	22.9	9.2	4.8			(NTU)
Dissolved Oxygen (DO)	3.31	1.68	1.37	1.28			(mg/l)
Temperature (Temp)	16.77	16.97	17.23	17.50			(°C)
ORP	73.8	63.8	59.7	57.3			

Depth to Bottom	606.48	(In) (Minus)	Depth to Water	140.40	(In)	=	466.08	HT (in)
Depth to Bottom	50.54	(Ft) (Minus)	Depth to Water	11.70	(Ft)	=	38.84	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			466.08	1	3.14	1463	.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 /115-MW17	3-40ml	HCL
PAH	UST 1115-MW17	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-mw18 SAMPLE NO.UST# 1115-mw18

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-21-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1215
PHONE: 910-451-2390	WEATHER: Sunny Clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.62	6.48	6.41	6.36			(STD)
Specific Conductivity	1.566	1.557	1.551	1.532			(m S/cm)
Turbidity (Turb)	28.2	36.5	59.3	151.0			(NTU)
Dissolved Oxygen (DO)	1.06	0.96	0.87	0.90			(mg/l)
Temperature (Temp)	21.92	21.27	21.29	21.03			(°C)
ORP	-99.6	-90.8	-82.6	-77.4			

Depth to Bottom	608.36	(In) (Minus)	Depth to Water	140.76	(In)	=	468.60	HT (in)
Depth to Bottom	50.78	(Ft) (Minus)	Depth to Water	11.73	(Ft)	=	39.05	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			468.60	1	3.14	1471	.0043	6.3		19.0	17
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
PAH	UST 1115-mw18	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 1115-MW19	
SAMPLE NO. UST 1115-MW19	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Sunny Clear 55°
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 10-27-08
TIME 0945
☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.97	6.93	6.92	6.93			(STD)
Specific Conductivity	0.146	0.146	0.146	0.147			(m S/cm)
Turbidity (Turb)	4.5	1.1	-0.3	-0.8			(NTU)
Dissolved Oxygen (DO)	3.91	3.20	3.07	3.00			(mg/l)
Temperature (Temp)	21.62	21.76	21.83	21.80			(°C)
ORP	-35.3	-35.2	-35.0	-35.4			

Depth to Bottom	609.36	(In) (Minus)	Depth to Water	98.04	(In)	=	511.32	HT (in)
Depth to Bottom	50.78	(Ft) (Minus)	Depth to Water	8.17	(Ft)	=	42.61	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			511.32	1	3.14	1606	.0043	6.9		20.7	21
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW19	3-40ml	HCL
PAH	UST 1115-MW19	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST 1115-MW20
SAMPLE NO.UST# 1115-MW20

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1050
PHONE: 910-451-2390	WEATHER: Sunny Clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.58	6.42	6.31	6.26			(STD)
Specific Conductivity	0.378	0.381	6.383	0.383			(m S/cm)
Turbidity (Turb)	30.3	62.8	142.5	142.9			(NTU)
Dissolved Oxygen (DO)	7.49	10.11	5.08	4.83			(mg/l)
Temperature (Temp)	82.08	22.010	82.08	82.010			(°C)
ORP	-58.2	-54.5	-50.9	-50.1			

Depth to Bottom	587.04	(In) (Minus)	Depth to Water	122.64	(In)	=	464.40	HT (in)
Depth to Bottom	48.92	(Ft) (Minus)	Depth to Water	10.22	(Ft)	=	38.70	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			464.40	1	3.14	1458	.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-MW20	3-40ml	HCL
PAH	UST 1115-MW20	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST 1115-mw21 ✓✓
		SAMPLE NO.UST 1115-mw21

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1435
PHONE: 910-451-2390	WEATHER: Cloudy 55°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.56	5.98	5.77	5.58			(STD)
Specific Conductivity	0.163	0.144	0.142	0.140			(m S/cm)
Turbidity (Turb)	27.2	23.10	27.8	41.16			(NTU)
Dissolved Oxygen (DO)	4.45	3.99	3.94	4.03			(mg/l)
Temperature (Temp)	22.13	22.10	22.08	22.06			(°C)
ORP	17.8	30.1	33.5	35.8			

Depth to Bottom	603.00	(In) (Minus)	Depth to Water	123.60	(In)	=	479.40	HT (in)
Depth to Bottom	50.25	(Ft) (Minus)	Depth to Water	10.30	(Ft)	=	39.95	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			479.40	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	UST 1115-mw21	3-40ml	HCL
PAH	UST 1115-mw21	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-MW22 SAMPLE NO. UST# 1115-MW22

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0915
PHONE: 910-451-2390	WEATHER: Sunny Cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.42	5.82	5.90	6.00			(STD)
Specific Conductivity	0.898	0.874	0.868	0.868			(m S/cm)
Turbidity (Turb)	3.9	1.1	1.9	2.7			(NTU)
Dissolved Oxygen (DO)	2.52	1.67	1.50	1.29			(mg/l)
Temperature (Temp)	16.71	17.32	17.50	17.59			(°C)
ORP	-52.2	-43.1	-39.3	-33.9			

Depth to Bottom	945.72	(In) (Minus)	Depth to Water	159.84	(In)	=	785.88	HT (in)
Depth to Bottom	78.81	(Ft) (Minus)	Depth to Water	13.32	(Ft)	=	65.49	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			785.88	1	3.14	2468	.0043	10.6		31.8	32
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
PAH	UST 1115-MW22	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-MW23 SAMPLE NO.UST# 1115-MW23

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-21-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1255
PHONE: 910-451-2390	WEATHER: Sunny clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.85	5.99	6.07	6.14			(STD)
Specific Conductivity	1.012	0.967	0.940	0.939			(m S/cm)
Turbidity (Turb)	44.3	85.6	149.4	90.5			(NTU)
Dissolved Oxygen (DO)	1.68	1.14	0.92	0.82			(mg/l)
Temperature (Temp)	21.27	21.30	20.90	21.09			(°C)
ORP	-67.8	-61.0	-52.1	-47.9			

Depth to Bottom	981.24	(In) (Minus)	Depth to Water	150.36	(In)	=	830.88	HT (in)
Depth to Bottom	81.77	(Ft) (Minus)	Depth to Water	~~137~~ 12.53	(Ft)	=	69.24	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			830.88	1	3.14	2609	.0043				
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW23	3-40ml	HCL
PAH	UST 1115-MW23	2-1Liter Amber	4°C

COMMENTS: Bubbles in purged water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 1115-mw24	V V
SAMPLE NO.UST# 1115-mw24	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1405
PHONE: 910-451-2390	WEATHER: Cloudy 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.15	7.08	7.05	7.02			(STD)
Specific Conductivity	1.301	1.309	1.316	1.321			(m S/cm)
Turbidity (Turb)	22.1	18.1	9.9	7.9			(NTU)
Dissolved Oxygen (DO)	5.83	4.54	3.65	2.97			(mg/l)
Temperature (Temp)	21.25	21.72	21.71	21.78			(°C)
ORP	-36.1	-40.7	-42.9	-45.0			

Depth to Bottom	955.32	(In) (Minus)	Depth to Water	144.96	(In)	=	810.36	HT (in)
Depth to Bottom	79.61	(Ft) (Minus)	Depth to Water	12.08	(Ft)	=	67.53	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			810.36	1	3.14	2545	.0043	10.9		32.8	33
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
PAH	UST 1115-MW24	2-1Liter Amber	4° C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115-MW25 SAMPLE NO.USTH MW25

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/23/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 11:20
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	8.24	8.48	8.50	8.53			(STD)
Specific Conductivity	0.851	0.855	0.855	0.855			(m S/cm)
Turbidity (Turb)	1.6	1.9	2.1	2.3			(NTU)
Dissolved Oxygen (DO)	0.50	0.42	0.41	0.41			(mg/l)
Temperature (Temp)	25.28	25.18	25.18	25.18			(°C)
ORP	-148.3	-150.1	-150.1	-150.5			

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	34
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
PAH	UST 1115-MW25	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115GT-MW01 SAMPLE NO.UST 1115GT-MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-28-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1305
PHONE: 910-451-2390	WEATHER: Sunny clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.46	4.42	4.46	4.49			(STD)
Specific Conductivity	0.187	0.188	0.188	0.187			(m S/cm)
Turbidity (Turb)	459.2	854.9	1010.5	814.1			(NTU)
Dissolved Oxygen (DO)	3.37	3.59	3.92	4.02			(mg/l)
Temperature (Temp)	24.69	25.12	25.54	25.69			(°C)
ORP	21.5	12.7	6.2	4.0			

Depth to Bottom	225.72	(In) (Minus)	Depth to Water	50.40	(In)	=	175.32	HT (in)
Depth to Bottom	18.81	(Ft) (Minus)	Depth to Water	4.20	(Ft)	=	14.61	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			175.32	1	3.14	551	.0043	2.4		7.1	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115GT-MW01	3-40ml	HCL
PAH	UST1115GT-MW01	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST11156T-mw02 SAMPLE NO.UST11156T-mw02

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1310
PHONE: 910-451-2390	WEATHER: Clear	
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	13.50	(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
PAH	UST	2-1Liter Amber	4^0 C

COMMENTS: well Dry

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 111SGT-mw03 SAMPLE NO.UST# 111SGT-mw03

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1410
PHONE: 910-451-2390	WEATHER: Sunny clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.13						(STD)
Specific Conductivity	0.895						(m S/cm)
Turbidity (Turb)	16.0						(NTU)
Dissolved Oxygen (DO)	2.08						(mg/l)
Temperature (Temp)	24.20						(°C)
ORP	101.2						

Depth to Bottom	213.72	(In) (Minus)	Depth to Water	104.52	(In)	=	109.20	HT (in)
Depth to Bottom	17.81	(Ft) (Minus)	Depth to Water	8.71	(Ft)	=	9.10	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			109.20	1	3.14	343	.0043	1.5		4.4	6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL
PAH	UST	2-1Liter Amber	4°C

COMMENTS: odor of gas at under well caver, purged a dark black organic material. did not run through parameter direct Sample after approximately 6gal. purged.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

N-W

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 111561-MW04 SAMPLE NO.UST# 111561-MW04

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE ~~10-25-08~~ 11-7-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0900
PHONE: 910-451-2390	WEATHER: Sunny clear 65°	
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	224.52	(In) (Minus)	Depth to Water	81.60	(In)	=	142.92	HT (in)
Depth to Bottom	18.71	(Ft) (Minus)	Depth to Water	6.80	(Ft)	=	11.91	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			142.92	1	3.14	449	.0043	1.9		5.8	
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL
PAH	UST	2-1Liter Amber	4°C

COMMENTS: A lot of organic matter, needs to be vacuumed vacuumed well out and direct sampled
No field Readings Taken

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 111SGT-MW05	
SAMPLE NO.UST# 111SGT-MW05	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER: Sunny Clear 65°	
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	18.75	(Ft) (Minus)	Depth to Water	6.41	(Ft)	=		HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

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				

Vol.

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL
PAH	UST	2-1Liter Amber	4°C

COMMENTS: To much organic matter needs to be vacuumed Product in well.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 1115GT-MW06	
SAMPLE NO.USTH MW06	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin — DATE 10/23/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin — TIME 14:30
PHONE: 910-451-2390	WEATHER: Clear
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer — ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.21	6.10	6.06	6.05			(STD)
Specific Conductivity	1.119	1.089	1.071	1.071			(m S/cm)
Turbidity (Turb)	69.1	98.7	89.1	86.8			(NTU)
Dissolved Oxygen (DO)	2.90	2.87	2.89	2.89			(mg/l)
Temperature (Temp)	27.30	27.48	27.63	27.64			(°C)
ORP	-36.8	-40.2	-42.3	-42.5			

Depth to Bottom	176.72	(In) (Minus)	Depth to Water	68.52	(In)	=	103.20	HT (in)
Depth to Bottom	14.31	(Ft) (Minus)	Depth to Water	5.71	(Ft)	=	8.60	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			103.20	1	3.14	324	.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	UST 1115GT-MW06	3-40ml	HCL
PAH	UST 1115GT-MW06	2-1Liter Amber	4°C

COMMENTS: Black-Cloudy
Well went very Low.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST 1115GT MW07
		SAMPLE NO.USTH MW07

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/21/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1410
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.18	5.15	5.15	5.15			(STD)
Specific Conductivity	0.556	0.556	0.557	0.557			(m S/cm)
Turbidity (Turb)	35.2	115.8	120.3	120.1			(NTU)
Dissolved Oxygen (DO)	0.46	0.37	0.37	0.37			(mg/l)
Temperature (Temp)	24.34	24.33	24.34	24.34			(°C)
ORP	120.6	112.7	112.6	112.4			

Depth to Bottom	186.84	(In) (Minus)	Depth to Water	96.36	(In)	=	90.48	HT (in)
Depth to Bottom	15.57	(Ft) (Minus)	Depth to Water	8.03	(Ft)	=	7.54	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			90.48	1	3.14	284	.0043	1.2		3.7	4
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
PAH	UST 1115GT-MW07	2-1Liter Amber	4° C

COMMENTS: Clear with Air in water
Cloudy Sample

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST 1115GT-MW08 SAMPLE NO.UST# 1115GT-mw08

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-21-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1415
PHONE: 910-451-2390	WEATHER: Sunny clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.25	6.08	6.00	5.92			(STD)
Specific Conductivity	0.594	0.593	0.583	0.506			(m S/cm)
Turbidity (Turb)	510.9	170.5	385.7	1325.0			(NTU)
Dissolved Oxygen (DO)	1.88	2.80	6.13	5.82			(mg/l)
Temperature (Temp)	22.90	22.99	23.06	23.08			(°C)
ORP	10.1	2.5	3.2	7.1			

Depth to Bottom	234.00	(In) (Minus)	Depth to Water	82.32	(In)	=	151.68	HT (in)
Depth to Bottom	19.50	(Ft) (Minus)	Depth to Water	6.86	(Ft)	=	12.64	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			151.68	1	3.14	476	.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	UST 1115GT-MW08	3-40ml	HCL
PAH	UST 1115GT-MW08	2-1Liter Amber	4°C

COMMENTS: Rusty Thick water at beginning, clear when sampled.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST 1115GT-MW09
SAMPLE NO.UST 1115GT-MW09

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-21-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1345
PHONE: 910-451-2390	WEATHER: Sunny Clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.90	5.91	5.44	5.30			(STD)
Specific Conductivity	0.394	0.375	0.337	0.341			(m S/cm)
Turbidity (Turb)	68.0	37.8	46.7	32.3			(NTU)
Dissolved Oxygen (DO)	1.94	1.07	0.96	0.97			(mg/l)
Temperature (Temp)	22.49	22.45	22.56	22.63			(°C)
ORP	-0.3	36.8	19.0	18.9			

Depth to Bottom	227.40	(In) (Minus)	Depth to Water	76.92	(In)	=	150.48	HT (in)
Depth to Bottom	18.95	(Ft) (Minus)	Depth to Water	6.41	(Ft)	=	12.54	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			150.48	1	3.14	473	.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	UST 1115GT-MW09	3-40ml	HCL
PAH	UST 1115GT-MW09	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFF MW12
		SAMPLE NO.USTH MW12

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/21/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 11:00
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.34	5.13	5.06	5.06			(STD)
Specific Conductivity	1.112	1.106	1.106	1.107			(m S/cm)
Turbidity (Turb)	16.1	18.6	21.2	21.0			(NTU)
Dissolved Oxygen (DO)	0.45	0.77	1.40	1.40			(mg/l)
Temperature (Temp)	22.46	22.34	22.32	22.32			(°C)
ORP	65.4	67.8	76.6	76.7			

Depth to Bottom	27732	(In) (Minus)	Depth to Water	84.24	(In)	=	193.08	HT (in)
Depth to Bottom	23.11	(Ft) (Minus)	Depth to Water	7.02	(Ft)	=	16.09	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			193.08	1	3.14	606	.0043	2.6		7.8	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
PAH	UST HPFF-MW12	2-1Liter Amber	4°C

COMMENTS: Clear - Partly Cloudy with Air in Water.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFF-mw16 SAMPLE NO. UST HPFF-mw16

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-20-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER: Clear 50°	
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	27.50	(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
PAH	UST	2-1Liter Amber	4°C

COMMENTS: Well Dry

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF ✓
		WELL NO. USTHPFF-mw20
		SAMPLE NO.USTHPFF-mw20

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-30-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 12:35
PHONE: 910-451-2390	WEATHER: Sunny cool 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.56	5.30	5.21	5.14			(STD)
Specific Conductivity	0.187	0.186	0.184	0.184			(m S/cm)
Turbidity (Turb)	5.2	4.1	5.2	6.6			(NTU)
Dissolved Oxygen (DO)	2.27	1.602	1.46	1.35			(mg/l)
Temperature (Temp)	19.04	19.14	19.19	19.23			(°C)
ORP	-32.7	-32.5	-31.6	-32.3			

Depth to Bottom	313.80	(In) (Minus)	Depth to Water	103.44	(In)	=	210.36	HT (in)
Depth to Bottom	26.15'	(Ft) (Minus)	Depth to Water	8.62	(Ft)	=	17.53	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			210.36	1	3.14	661	.0043	2.8		8.5	9
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-mw20	3-40ml	HCL
PAH	USTHPFF-mw20	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW13 SAMPLE NO.USTH MW13

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/23/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0950
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.19	6.23	6.27	6.28			(STD)
Specific Conductivity	3.601	3.598	3.596	3.589			(m S/cm)
Turbidity (Turb)	37.4	4.7	6.3	6.0			(NTU)
Dissolved Oxygen (DO)	1.04	0.95	0.95	0.93			(mg/l)
Temperature (Temp)	20.71	20.79	20.79	20.80			(°C)
ORP	40.4	47.3	47.3	47.4			

Depth to Bottom	1320.00	(In) (Minus)	Depth to Water	133.20	(In)	=	1186.80	HT (in)
Depth to Bottom	110.0	(Ft) (Minus)	Depth to Water	11.10	(Ft)	=	98.90	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			1186.80	1	3.14	3727	.0043	16.0		48.1	4/5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW13	3-40ml	HCL
PAH	UST HPFFC-MW13	2-1Liter Amber	4°C

COMMENTS: Air IN WATER - Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

MW

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF ✓✓
WELL NO. UST HPFFC_MW16
SAMPLE NO.USTH MW16

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0940
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.35	6.33	6.33	6.33			(STD)
Specific Conductivity	0.852	01.307	1.308	1.309			(m S/cm)
Turbidity (Turb)	122.3	104.8	121.9	121.6			(NTU)
Dissolved Oxygen (DO)	5.71	2.93	1.55	1.55			(mg/l)
Temperature (Temp)	22.65	22.82	22.86	22.87			(°C)
ORP	-81.6	-89.5	-93.8	-94.0			

Depth to Bottom	168.00	(In) (Minus)	Depth to Water	100.08	(In)	=	67.92	HT (in)
Depth to Bottom	14.00	(Ft) (Minus)	Depth to Water	8.34	(Ft)	=	5.66	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			67.92	1	3.14	213	.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	UST	3-40ml	HCL
PAH	UST	2-1Liter Amber	4°C

COMMENTS: Clear Cloudy

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC mw23 SAMPLE NO.USTH mw 23

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1000
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.61	6.34	6.34	6.32			(STD)
Specific Conductivity	1.003	1.066	1.066	1.066			(m S/cm)
Turbidity (Turb)	446.1	456.1	455.2	455.2			(NTU)
Dissolved Oxygen (DO)	5.41	4.96	4.92	4.92			(mg/l)
Temperature (Temp)	26.48	26.68	26.68	26.68			(°C)
ORP	-1.5	-30.0	-30.0	-31.0			

Depth to Bottom	150.48	(In) (Minus)	Depth to Water	89.64	(In)	=	60.84	HT (in)
Depth to Bottom	12.548	(Ft) (Minus)	Depth to Water	7.47	(Ft)	=	5.07	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			60.84	1	3.14	191	.0043	0.8		2.5	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC - mw23	3-40ml	HCL
PAH	UST HPFFC - mw23	2-1Liter Amber	4°C

COMMENTS: Cloudy - Dirty

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFF-MW27 SAMPLE NO.USTHPFF-MW27

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 11/3/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 11:30
PHONE: 910-451-2390	WEATHER: Rainy	
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	15.88	(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
PAH	UST	2-1Liter Amber	4^0 C

COMMENTS: DRY

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
~~OTHER: ☐~~			

NW

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW36 ✓
SAMPLE NO.UST HPFFC-MW36 ✓

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/29/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 10:20
PHONE: 910-451-2390	WEATHER: Clear Cold	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.32	5.47	5.50	5.50			(STD)
Specific Conductivity	0.653	0.653	0.662	0.662			(m S/cm)
Turbidity (Turb)	76.0	44.1	46.1	35.4			(NTU)
Dissolved Oxygen (DO)	6.39	6.03	6.04	6.04			(mg/l)
Temperature (Temp)	21.76	22.33	22.39	22.38			(°C)
ORP	174.0	172.0	171.1	171.1			

Depth to Bottom	165.72	(In) (Minus)	Depth to Water	117.60	(In)	=	48.12	HT (in)
Depth to Bottom	13.81	(Ft) (Minus)	Depth to Water	9.80	(Ft)	=	4.01	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			48.12	1	3.14	151	.0043	0.6		1.9	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW36	3-40ml	HCL
PAH	UST HPFFC-MW36	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-MW37 ✓ SAMPLE NO. USTHPFFC-MW37 ✓

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-29-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1020
PHONE: 910-451-2390	WEATHER: Sunny Cool 42°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.82	5.70	5.55	5.49			(STD)
Specific Conductivity	0.108	0.108	0.106	0106			(m S/cm)
Turbidity (Turb)	32.9	23.8	21.0	36.3			(NTU)
Dissolved Oxygen (DO)	5.17	4.81	4.61	4.60			(mg/l)
Temperature (Temp)	21.56	21.70	21.49	21.11			(°C)
ORP	21.6	17.3	21.1	16.5			

Depth to Bottom	165.60	(In) (Minus)	Depth to Water	102.72	(In)	=	62.88	HT (in)
Depth to Bottom	13.80	(Ft) (Minus)	Depth to Water	8.56	(Ft)	=	5.24	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			62.88	1	3.14	197	.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	UST HPFFC-MW37	3-40ml	HCL
PAH	UST HPFFC-MW37	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC mw39 ✓✓ SAMPLE NO.USTH mw39

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/24/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 9:15
PHONE: 910-451-2390	WEATHER: Cloudy	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.96	7.06	7.09	7.09			(STD)
Specific Conductivity	0.734	0.742	0.746	0.747			(m S/cm)
Turbidity (Turb)	23.3	20.5	23.3	23.4			(NTU)
Dissolved Oxygen (DO)	1.52	1.11	0.91	0.91			(mg/l)
Temperature (Temp)	19.69	19.68	19.71	19.70			(°C)
ORP	44.5	36.9	18.6	18.0			

1800.00 ~~1805.96~~

Depth to Bottom	~~138.80~~	(In) (Minus)	Depth to Water	134.04	(In)	=	1665.96	HT (in)
Depth to Bottom	150.00	(Ft) (Minus)	Depth to Water	11.17	(Ft)	=	138.8	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			1665.96	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
PAH	UST HPFFC-MW39	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-mw43 ✓✓ SAMPLE NO. UST HPFFC-mw43

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1340
PHONE: 910-451-2390	WEATHER: cloudy 55°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	8.29	8.35	8.86	8.36			(STD)
Specific Conductivity	0.201	0.200	0.199	0.198			(m S/cm)
Turbidity (Turb)	54.8	27.1	16.1	13.5			(NTU)
Dissolved Oxygen (DO)	5.77	4.30	4.08	3.97			(mg/l)
Temperature (Temp)	19.62	19.49	19.60	19.59			(°C)
ORP	-47.3	-44.1	-40.0	-37.2			

Depth to Bottom	963.00	(In) (Minus)	Depth to Water	127.20	(In)	=	835.80	HT (in)
Depth to Bottom	80.25	(Ft) (Minus)	Depth to Water	10.60	(Ft)	=	69.65	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			835.80	1	3.14	2624	.0043	11.3		33.9	34
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW43	3-40ml	HCL
PAH	UST HPFFC-MW43	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW44 ✓✓ SAMPLE NO.USTH MW 44

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/24/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 11:30
PHONE: 910-451-2390	WEATHER: Cloudy	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.43	7.38	7.35	7.35			(STD)
Specific Conductivity	1.093	1.093	1.094	1.094			(m S/cm)
Turbidity (Turb)	2.6	1.3	1.2	1.2			(NTU)
Dissolved Oxygen (DO)	4.10	3.31	3.30	3.25			(mg/l)
Temperature (Temp)	20.35	20.36	20.36	20.36			(°C)
ORP	48.0	49.2	49.2	49.3			

Depth to Bottom	595.80	(In) (Minus)	Depth to Water	110.52	(In)	=	485.28	HT (in)
Depth to Bottom	49.65	(Ft) (Minus)	Depth to Water	9.21	(Ft)	=	40.44	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			485.28	1	3.14	1524	.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 HPFFC-MW44	3-40ml	HCL
PAH	UST HPFFC-MW44	2-1Liter Amber	4°C

COMMENTS: Clear

Duplicate Sample Taken UST HPFFC-MW44D

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW45 SAMPLE NO.USTH MW 45

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/24/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 10:45
PHONE: 910-451-2390	WEATHER: Cloudy	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.99	6.99	6.99	6.99			(STD)
Specific Conductivity	1.101	1.100	1.100	1.100			(m S/cm)
Turbidity (Turb)	59.1	20.2	19.4	19.5			(NTU)
Dissolved Oxygen (DO)	0.71	0.59	0.54	0.54			(mg/l)
Temperature (Temp)	19.92	19.94	19.98	19.98			(°C)
ORP	-97.6	-104.5	-109.7	-110.3			

Depth to Bottom	950.76	(In) (Minus)	Depth to Water	139.32	(In)	=	811.44	HT (in)
Depth to Bottom	79.23	(Ft) (Minus)	Depth to Water	11.61	(Ft)	=	67.62	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			811.44	1	3.14	2548	.0043	11.0		32.9	33
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW45	3-40ml	HCL
PAH	UST HPFFC-MW45	2-1Liter Amber	4° C

COMMENTS: Air in water Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-MW46 ✓✓ SAMPLE NO.USTH MW46

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/24/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 10:00
PHONE: 910-451-2390	WEATHER: Cloudy	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.68	4.29	4.15	4.14			(STD)
Specific Conductivity	1.030	0.613	0.594	0.594			(m S/cm)
Turbidity (Turb)	85.9	45.2	48.2	46.4			(NTU)
Dissolved Oxygen (DO)	3.31	4.36	4.30	4.30			(mg/l)
Temperature (Temp)	21.60	21.74	21.75	21.75			(°C)
ORP	124.9	250.1	267.9	268.8			

Depth to Bottom	177.24	(In) (Minus)	Depth to Water	49.56	(In)	=	127.68	HT (in)
Depth to Bottom	14.77	(Ft) (Minus)	Depth to Water	4.13	(Ft)	=	10.64	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			127.68	1	3.14	401	.0043	1.7		5.2	6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW46	3-40ml	HCL
PAH	UST HPFFC-MW46	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. USTHPFFC MW47 ✓✓ SAMPLE NO.USTH MW 47

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/24/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1020
PHONE: 910-451-2390	WEATHER: Cloudy	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.87	6.33	6.34	6.35			(STD)
Specific Conductivity	1,604	1.006	1,007	1,006			(m S/cm)
Turbidity (Turb)	127.3	126.1	72:1	30.5			(NTU)
Dissolved Oxygen (DO)	0.43	0.34	0.38	0.38			(mg/l)
Temperature (Temp)	20.62	20.53	20.53	20.53			(°C)
ORP	-35.9	-61.2	-62.6	-62.6			

Depth to Bottom	602.76	(In) (Minus)	Depth to Water	134.64	(In)	=	468.12	HT (in)
Depth to Bottom	50.23	(Ft) (Minus)	Depth to Water	11.22	(Ft)	=	39.01	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			468.12	1	3.14	1470	.0043	6.3		19	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
PAH	UST HPFFC-MW47	2-1Liter Amber	4°C

COMMENTS: Air in water Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. USTHPFFC-MW48 ✓✓
		SAMPLE NO.USTHPFFC-MW48

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0910
PHONE: 910-451-2390	WEATHER: Cloudy 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.45	6.28	6.19	6.11			(STD)
Specific Conductivity	0.362	0.351	0.336	~~0.358~~ 0.318			(m S/cm)
Turbidity (Turb)	192.6	370.6	275.3	265.8			(NTU)
Dissolved Oxygen (DO)	7.03	7.64	6.83	7.06			(mg/l)
Temperature (Temp)	20.00	20.00	19.96	19.95			(°C)
ORP	-51.7	-46.5	-41.0	-36.8			

Depth to Bottom	180.60	(In) (Minus)	Depth to Water	109.20	(In)	=	71.40	HT (in)
Depth to Bottom	15.05	(Ft) (Minus)	Depth to Water	9.10	(Ft)	=	5.95	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			71.40	1	3.14	224	.0043	1.0		2.9	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW48	3-40ml	HCL
PAH	UST HPFFC-MW48	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC-mw49	✓✓
SAMPLE NO. UST HPFFC-mw49	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0920
PHONE: 910-451-2390	WEATHER: Cloudy 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.28	6.47	6.63	6.71			(STD)
Specific Conductivity	1.496	1.500	1.506	1.507			(m S/cm)
Turbidity (Turb)	69.8	423.7	99.5	49.6			(NTU)
Dissolved Oxygen (DO)	5.99	4.82	5.61	5.70			(mg/l)
Temperature (Temp)	18.42	18.44	18.44	18.44			(°C)
ORP	-53.1	-61.2	-63.9	-64.5			

Depth to Bottom	969.60	(In) (Minus)	Depth to Water	114.60	(In)	=	855.00	HT (in)
Depth to Bottom	80.80	(Ft) (Minus)	Depth to Water	9.55	(Ft)	=	71.25	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			855.00	1	3.14	2685	.0043	11.5		34.6	35
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-mw49	3-40ml	HCL
PAH	UST HPFFC-mw49	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
~~OTHER: ☐~~			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-MW50 ✓✓ SAMPLE NO.USTHPFFC-MW50

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0950
PHONE: 910-451-2390	WEATHER: Cloudy 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.87	6.71	6.64	6.62			(STD)
Specific Conductivity	1.262	1.274	1.288	1.291			(m S/cm)
Turbidity (Turb)	25.1	61.8	85.4	12.7			(NTU)
Dissolved Oxygen (DO)	4.07	3.92	3.84	4.05			(mg/l)
Temperature (Temp)	18.49	18.44	18.47	18.46			(°C)
ORP	-102.2	-101.4	-101.4	-102.4			

Depth to Bottom	601.44	(In) (Minus)	Depth to Water	110.28	(In)	=	491.16	HT (in)
Depth to Bottom	50.12	(Ft) (Minus)	Depth to Water	9.19	(Ft)	=	40.93	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			491.16	1	3.14	1542	.0043	6.6		19.9	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW50	3-40ml	HCL
PAH	UST HPFFC-MW50	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC MW51
		SAMPLE NO.USTH MW51

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/23/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0845
PHONE: 910-451-2390	WEATHER: Clear - Cold	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.20	4.92	4.85	4.85			(STD)
Specific Conductivity	0.767	0.759	0.756	0.755			(m S/cm)
Turbidity (Turb)	49.4	19.0	16.3	16.3			(NTU)
Dissolved Oxygen (DO)	0.69	0.90	0.74	0.74			(mg/l)
Temperature (Temp)	18.83	18.98	19.04	19.04			(°C)
ORP	123.4	156.6	163.7	163.9			

Depth to Bottom	186.12	(In) (Minus)	Depth to Water	152.40	(In)	=	33.72	HT (in)
Depth to Bottom	15.51	(Ft) (Minus)	Depth to Water	12.70	(Ft)	=	2.81	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			33.72	1	3.14	106	.0043	0.5		1.4	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
PAH	UST HPFFC-MW51	2-1Liter Amber	4° C

COMMENTS: Clear - Cloudy

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC - MW52
		SAMPLE NO. USTH PFFC-MW52

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-22-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1340
PHONE: 910-451-2390	WEATHER: Sunny Clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	9.31	8.56	8.37	8.31			(STD)
Specific Conductivity	0.196	0.184	0.181	0.180			(m S/cm)
Turbidity (Turb)	4.1	1.9	1.2	0.1			(NTU)
Dissolved Oxygen (DO)	5.02	3.38	~~FF925~~	3.23			(mg/l)
Temperature (Temp)	18.19	17.90	17.85	17.83			(°C)
ORP	-23.5	-15.4	-15.3	-15.10			

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	147.36	(In)	=	1652.64	HT (in)
Depth to Bottom	150.00	(Ft) (Minus)	Depth to Water	12.28	(Ft)	=	137.70	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			1652.64	1	3.14	5185	.0043	22.3		66.9	67
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW52	3-40ml	HCL
PAH	UST HPFFC-MW52	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-mw53 SAMPLE NO. UST HPFFC-mw53

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-22-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0905
PHONE: 910-451-2390	WEATHER: Sunny clear 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.07	7.06	7.05	7.04			(STD)
Specific Conductivity	0.558	0.569	0.573	0.578			(m S/cm)
Turbidity (Turb)	18.0	14.4	16.5	10.9			(NTU)
Dissolved Oxygen (DO)	5.07	4.58	4.40	4.17			(mg/l)
Temperature (Temp)	16.12	16.18	16.24	16.38			(°C)
ORP	-8.2	-11.7	-13.1	-14.6			

Depth to Bottom	599/12	(In) (Minus)	Depth to Water	132.36	(In)	=	461.76	HT (in)
Depth to Bottom	49.51	(Ft) (Minus)	Depth to Water	11.83	(Ft)	=	38.48	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			461.76	1	3.14	1450	.0043	6.2		18.7	19
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW53	3-40ml	HCL
PAH	UST HPFFC-MW53	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-mw54 SAMPLE NO.USTH PFFC-mw54

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-22-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1405
PHONE: 910-451-2390	WEATHER: Sunny clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.32	6.16	6.10	6.08			(STD)
Specific Conductivity	0.770	0.770	0.769	0.771			(m S/cm)
Turbidity (Turb)	1211.4	908.0	973.2	635.5			(NTU)
Dissolved Oxygen (DO)	2.83	1.97	1.78	1.74			(mg/l)
Temperature (Temp)	19.99	20.10	20.24	20.13			(°C)
ORP	-13.5	-16.0	-18.1	-17.7			

Depth to Bottom	205.80	(In) (Minus)	Depth to Water	74.28	(In)	=	131.52	HT (in)
Depth to Bottom	17.15	(Ft) (Minus)	Depth to Water	6.19	(Ft)	=	10.96	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			131.52	1	3.14	413	.0043	1.8		5.3	6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW54	3-40ml	HCL
PAH	UST HPFFC-MW54	2-1Liter Amber	4°C

COMMENTS: Rusty red color at beginning of purge, light rusty colored when sampled

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. USTHPFFC-MW55 SAMPLE NO.USTHPFFC-MW55

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-22-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1310
PHONE: 910-451-2390	WEATHER: Sunny clear 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	10.85	10.88	10.86	10.85			(STD)
Specific Conductivity	0.696	0.708	0.717	0720			(m S/cm)
Turbidity (Turb)	7.5	7.0	4.8	7.5			(NTU)
Dissolved Oxygen (DO)	6.92	4.71	4.66	3.93			(mg/l)
Temperature (Temp)	18.27	18.22	18.07	17.98			(°C)
ORP	-59.7	-42.7	-36.2	-34.4			

Depth to Bottom	946.68	(In) (Minus)	Depth to Water	136.32	(In)	=	810.36	HT (in)
Depth to Bottom	78.89	(Ft) (Minus)	Depth to Water	11.36	(Ft)	=	67.53	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			810.36	1	3.14	2545	.0043	10.9		32.8	33
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW55	3-40ml	HCL
PAH	UST HPFFC-MW55	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC MW56	
SAMPLE NO.USTH MW56	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Clear
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 10/23/08

TIME 10:15

FIELD MEASUREMENTS

	1	2	3	4			
PH	11.36	11.40	11.41	11.41			(STD)
Specific Conductivity	1.268	1.258	1.252	1.252			(m S/cm)
Turbidity (Turb)	11.3	20.0	5.6	5.7			(NTU)
Dissolved Oxygen (DO)	1.94	1.78	1.76	1.76			(mg/l)
Temperature (Temp)	20.77	20.90	20.96	20.96			(°C)
ORP	-133.9	-139.8	-141.5	-141.7			

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	141.60	(In)	=	1658.40	HT (in)
Depth to Bottom	150.0'	(Ft) (Minus)	Depth to Water	11.80	(Ft)	=	138.20	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			1648.40	1	3.14	5207	.0043	22.4		67.2	68
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW56	3-40ml	HCL
PAH	UST HPFFC-MW56	2-1Liter Amber	4°C

COMMENTS: AIR IN WATER Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. USTHPFFC-MW57 ✓
		SAMPLE NO.USTHPFFC-MW57 ✓

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-29-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1000
PHONE: 910-451-2390	WEATHER: Sunny Cool 42°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.68	7.12	6.85	6.66			(STD)
Specific Conductivity	0.180	0.180	0.180	0.180			(m S/cm)
Turbidity (Turb)	37.0	34.4	44.8	56.2			(NTU)
Dissolved Oxygen (DO)	4.24	3.31	2.86	2.24			(mg/l)
Temperature (Temp)	20.69	21.24	21.34	21.38			(°C)
ORP	-104.1	-67.3	-54.4	-48.5			

Depth to Bottom	581.64	(In) (Minus)	Depth to Water	122.40	(In)	=	459.24	HT (in)
Depth to Bottom	48.47	(Ft) (Minus)	Depth to Water	10.20	(Ft)	=	38.27	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			459.24	1	3.14	1442	.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	UST HPFFC-MW57	3-40ml	HCL
PAH	UST HPFFC-MW57	2-1Liter Amber	4° C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW58
SAMPLE NO. USTH PFFC-MW58

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1005
PHONE: 910-451-2390	WEATHER: Sunny Clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.58	7.57	7.57	7.59			(STD)
Specific Conductivity	0.173	0.174	0.174	0.175			(m S/cm)
Turbidity (Turb)	27.9	27.9	29.6	30.0			(NTU)
Dissolved Oxygen (DO)	7.52	7.12	7.13	7.25			(mg/l)
Temperature (Temp)	21.44	21.65	21.73	21.77			(°C)
ORP	-32.2	-31.8	-32.2	-32.6			

Depth to Bottom	955.80	(In) (Minus)	Depth to Water	130.44	(In)	=	825.36	HT (in)
Depth to Bottom	79.65	(Ft) (Minus)	Depth to Water	10.87	(Ft)	=	68.76	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			825.36	1	3.14	2592	.0043	11.1		33.4	34
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW58	3-40ml	HCL
PAH	UST HPFFC-MW58	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-MW73 ✓✓ SAMPLE NO. UST HPFFC-MW73

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1130
PHONE: 910-451-2390	WEATHER: Cloudy 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.30	7.21	7.18	7.17			(STD)
Specific Conductivity	0.506	0.510	0.511	0.511			(m S/cm)
Turbidity (Turb)	707.0	613.0	544.4	480.0			(NTU)
Dissolved Oxygen (DO)	3.86	3.67	3.57	3.53			(mg/l)
Temperature (Temp)	19.96	19.99	19.99	19.99			(°C)
ORP	-65.6	-68.8	-70.5	-71.3			

Depth to Bottom	554.60	(In) (Minus)	Depth to Water	152.16	(In)	=	442.44	HT (in)
Depth to Bottom	49.55	(Ft) (Minus)	Depth to Water	12.68	(Ft)	=	36.87	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			442.44	1	3.14	1385	.0043	6.0		17.9	18
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW73	3-40ml	HCL
PAH	UST HPFFC-MW73	2-1Liter Amber	4°C

COMMENTS: Grey muddy substance present
Duplicate Sample TAKEN UST HPFFC-MW73D

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-MW74 ✓✓ SAMPLE NO. USTHPFFC-MW74

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1040
PHONE: 910-451-2390	WEATHER: Cloudy 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.62	7.62	7.62	7.62			(STD)
Specific Conductivity	0.316	0.316	0.315	0.315			(m S/cm)
Turbidity (Turb)	12.1	11.3	10.2	9.8			(NTU)
Dissolved Oxygen (DO)	7.70	7.58	7.51	7.49			(mg/l)
Temperature (Temp)	20.28	20.37	20.39	20.39			(°C)
ORP	-55.0	-54.9	-55.3	-55.5			

Depth to Bottom	953.40	(In) (Minus)	Depth to Water	155.40	(In)	=	798.00	HT (in)
Depth to Bottom	79.45	(Ft) (Minus)	Depth to Water	12.95	(Ft)	=	66.50	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			798.00	1	3.14	2506	.0043	10.80		32.3	33
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW74	3-40ml	HCL
PAH	UST HPFFC-MW74	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC-mw76
		SAMPLE NO. UST HPFFC-mw76 ✓

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-29-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1110
PHONE: 910-451-2390	WEATHER: Sunny cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.92	6.05	6.17	6.23			(STD)
Specific Conductivity	0.451	0.451	0.452	0.453			(m S/cm)
Turbidity (Turb)	8.7	7.2	6.4	6.2			(NTU)
Dissolved Oxygen (DO)	4.78	3.69	3.34	3.23			(mg/l)
Temperature (Temp)	19.24	19.41	19.49	19.55			(°C)
ORP	-54.6	-51.2	-48.9	-47.9			

Depth to Bottom	597.96	(In) (Minus)	Depth to Water	118.80	(In)	=	479.16	HT (in)
Depth to Bottom	49.83	(Ft) (Minus)	Depth to Water	9.90	(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	UST HPFFC-mw76	3-40ml	HCL
PAH	UST HPFFC-mw76	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

OTHER: ☐

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST IR 78 GW13 ✓✓ SAMPLE NO.USTH GW13

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/24/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1:50
PHONE: 910-451-2390	WEATHER: Cloudy	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.51	4.54	4.37	4.44			(STD)
Specific Conductivity	0.588	0.587	0.584	0583			(m S/cm)
Turbidity (Turb)	21.2	23.1	24.0	24.7			(NTU)
Dissolved Oxygen (DO)	4.24	4.41	4.69	4.71			(mg/l)
Temperature (Temp)	20.90	21.00	21.00	21.06			(°C)
ORP	282.5	293.1	310.8	311.9			

Depth to Bottom	333.00	(In) (Minus)	Depth to Water	153.84	(In)	=	179.16	HT (in)
Depth to Bottom	27.75	(Ft) (Minus)	Depth to Water	12.82	(Ft)	=	14.93	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			179.16	1	3.14	563	.0043	2.4		7.3	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW13	3-40ml	HCL
PAH	~~UST~~ IR78 - GW13	2-1Liter Amber	4°C

COMMENTS: AIR IN WATER Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
~~OTHER:~~ ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST IR78-GW14 ✓ SAMPLE NO.USTH

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/29/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 11:10
PHONE: 910-451-2390	WEATHER: Clear Cold	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.67	4.61	4.61	4.60			(STD)
Specific Conductivity	0.929	0.931	0.931	0.931			(m S/cm)
Turbidity (Turb)	443.8	417.1	407.1	396.1			(NTU)
Dissolved Oxygen (DO)	6.70	6.74	6.75	6.75			(mg/l)
Temperature (Temp)	21.38	21.46	21.47	21.47			(°C)
ORP	191.3	200.4	200.7	201.1			

Depth to Bottom	301.68	(In) (Minus)	Depth to Water	113.16	(In)	=	188.52	HT (in)
Depth to Bottom	25.14 ?	(Ft) (Minus)	Depth to Water	9.43	(Ft)	=	15.71	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			188.52	1	3.14	592	.0043	2.5	7.6	8
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW14	3-40ml	HCL
PAH	~~UST~~ IR78-GW14	2-1Liter Amber	4°C

COMMENTS: Brown-Dirty Water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. ~~EST~~ IR78-GW19 SAMPLE NO. ~~USEH~~ IR78-GW19

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-23-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0815
PHONE: 910-451-2390	WEATHER: Sunny Cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.11	3.98	3.94	3.96			(STD)
Specific Conductivity	0.228	0.225	0.224	0.220			(m S/cm)
Turbidity (Turb)	1299.8	1262.5	1298.0	486.2			(NTU)
Dissolved Oxygen (DO)	2.50	1.84	1.53	1.41			(mg/l)
Temperature (Temp)	18.55	18.90	18.92	19.57			(°C)
ORP	114.9	111.9	113.6	110.8			

Depth to Bottom	301.20	(In) (Minus)	Depth to Water	108.84	(In)	=	192.36	HT (in)
Depth to Bottom	25.10	(Ft) (Minus)	Depth to Water	9.07	(Ft)	=	16.03	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			192.36	1	3.14	604	.0043	2.6		7.8	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~EST~~ IR78-GW19	3-40ml	HCL
PAH	~~EST~~ IR78-GW19	2-1Liter Amber	4°C

COMMENTS: Rusty Red at beginning of purging, Slight rusty red when Sampled

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

NW

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST IR78-GW20
		SAMPLE NO.USTH

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 11/3/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 12:15
PHONE: 910-451-2390	WEATHER: Rainy	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.24	5.17	5.11	5.08			(STD)
Specific Conductivity	0.194	0.194	0.194	0.195			(m S/cm)
Turbidity (Turb)	1.2	1.2	1.0	0.6			(NTU)
Dissolved Oxygen (DO)	2.57	2.15	1.92	1.84			(mg/l)
Temperature (Temp)	19.10	19.13	19.19	19.23			(°C)
ORP	-38.8	-37.4	-40.0	-41.6			

Depth to Bottom	317.64	(In) (Minus)	Depth to Water	128.16	(In)	=	189.48	HT (in)
Depth to Bottom	26.47	(Ft) (Minus)	Depth to Water	10.68	(Ft)	=	15.79	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			189.48	1	3.14	595	.0043	2.6		7.7	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW26	3-40ml	HCL
PAH	~~UST~~ IR78-GW20	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

~~OTHER:~~ ☐

NW

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST IR78-GW22-2	
SAMPLE NO.USTH GW22-2	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Clear
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 10/21/08
TIME 13:45
☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.79	5.78	5.78	5.78			(STD)
Specific Conductivity	0.714	0.715	0.715	0.715			(m S/cm)
Turbidity (Turb)	28.4	30.7	30.4	30.0			(NTU)
Dissolved Oxygen (DO)	0.43	0.40	0.40	0.40			(mg/l)
Temperature (Temp)	22.41	22.41	22.41	22.41			(°C)
ORP	9.7						

Depth to Bottom	269.40	(In) (Minus)	Depth to Water	106.80	(In)	=	162.60	HT (in)
Depth to Bottom	82.45	(Ft) (Minus)	Depth to Water	8.90	(Ft)	=	13.55	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			162.60	1	3.14	511	.0043	2.2		6.6	7
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW22-2	3-40ml	HCL
PAH	~~UST~~ IR78-GW22-2	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. USTHPFF- MWA	
SAMPLE NO. USTHPFF- MWA	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE ~~10-21-08~~ 11-7-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0810
PHONE: 910-451-2390	WEATHER: Sunny, Clear 50°	
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	177.60	(In) (Minus)	Depth to Water	86.64	(In)	=	90.96	HT (in)
Depth to Bottom	14.80	(Ft) (Minus)	Depth to Water	7.22	(Ft)	=	7.58	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			90.96	1	3.14	286	.0043	1.2		3.7	
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MWA	3-40ml	HCL
PAH	USTHPFF- MWA	2-1Liter Amber	4° C

COMMENTS: Well Empty of clear water, black thick substance Vacumed out and Sampled directly

No Field Readings Taken.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SR

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFF-MW01
SAMPLE NO.USTH PFF-MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-20-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1515
PHONE: 910-451-2390	WEATHER: Sunny, Clear 62°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.11	5.73	5.65	5.63			(STD)
Specific Conductivity	0.180	0.177	0.175	0.171			(m S/cm)
Turbidity (Turb)	16.3	14.9	10.7	9.6			(NTU)
Dissolved Oxygen (DO)	2.89	2.04	1.77	1.61			(mg/l)
Temperature (Temp)	21.88	22.11	22.34	22.47			(°C)
ORP	23.0	19.8	19.9	18.4			

Depth to Bottom	227.76	(In) (Minus)	Depth to Water	134.04	(In)	=	93.72	HT (in)
Depth to Bottom	18.98	(Ft) (Minus)	Depth to Water	11.17	(Ft)	=	7.81	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			93.72	1	3.14	294	.0043	1.3		3.8	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW01	3-40ml	HCL
PAH	UST HPFF-MW01	2-1Liter Amber	4°C

COMMENTS: Product in well per emails dated 12/5/08 & 04/24/09
Samples were not sent to lab due to product being found in the well.
↳ Documented 08/05/09 by P. Gamble

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF - MW02	
WELL NO. UST HPFF - MW02	
SAMPLE NO. USTH PFF- MW02	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-20-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1445
PHONE: 910-451-2390	WEATHER: Sunny, Clear 62°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.37	5.96	5.91	5.87			(STD)
Specific Conductivity	0.218	0.217	0.202	0.186			(m S/cm)
Turbidity (Turb)	5.7	3.1	3.5	3.2			(NTU)
Dissolved Oxygen (DO)	3.03	1.26	1.17	1.18			(mg/l)
Temperature (Temp)	20.94	21.25	21.52	21.70			(°C)
ORP	13.9	15.6	18.7	15.1			

Depth to Bottom	196.20	(In) (Minus)	Depth to Water	156.24	(In)	=	39.96	HT (in)
Depth to Bottom	16.35	(Ft) (Minus)	Depth to Water	13.02	(Ft)	=	3.33	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			39.96	1	3.14	125	.0043	0.5		1.6	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW02	3-40ml	HCL
PAH	UST HPFF-MW02	2-1Liter Amber	4°C

COMMENTS: Gasoline smell When opened well

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SR

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFF-MW03 VV SAMPLE NO.USTH HPFF-MW03

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/29/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 14:45
PHONE: 910-451-2390	WEATHER: Clear cold	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.41	6.42	6.45	6.47			(STD)
Specific Conductivity	1.171	1.161	1.164	1.162			(m S/cm)
Turbidity (Turb)	101.1	91.1	80.7	61.2			(NTU)
Dissolved Oxygen (DO)	7.61	7.65	7.66	7.69			(mg/l)
Temperature (Temp)	22.67	22.72	22.76	22.76			(°C)
ORP	75.1	75.0	74.8	74.0			

Depth to Bottom	148.44	(In) (Minus)	Depth to Water	114.84	(In)	=	33.60	HT (in)
Depth to Bottom	12.37	(Ft) (Minus)	Depth to Water	9.57	(Ft)	=	2.80	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			33.60	1	3.14	106	.0043	0.5		1.4	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW03	3-40ml	HCL
PAH	UST HPFF-MW03	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

OTHER: ☐

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. USTHPFF-MW04 ✓
SAMPLE NO. USTHPFF-MW04 ✓

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-29-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1345
PHONE: 910-451-2390	WEATHER: Sunny Cool 55°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.81	5.52	4.71	4.64			(STD)
Specific Conductivity	0.246	0.235	0.226	0.226			(m S/cm)
Turbidity (Turb)	683.0	275.7	134.7	129.8			(NTU)
Dissolved Oxygen (DO)	1.63	1.50	2.27	2.28			(mg/l)
Temperature (Temp)	19.53	19.85	19.81	19.87			(°C)
ORP	-18.4	-4.3	6.5	1.3			

Depth to Bottom	204.60	(In) (Minus)	Depth to Water	132.36	(In)	=	72.24	HT (in)
Depth to Bottom	17.05	(Ft) (Minus)	Depth to Water	11.03	(Ft)	=	6.02	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			72.24	1	3.14	227	.0043	1.0		2.9	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW04	3-40ml	HCL
PAH	USTHPFF-MW04	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

WELL OR GROUND WATER DATA SHEET

Shaw®

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFF MW06	
SAMPLE NO.USTH MW06	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Clear
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 10/22/08

TIME 0930

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.88	5.86	5.81	5.81			(STD)
Specific Conductivity	0.557	6.570	0.557	0.557			(m S/cm)
Turbidity (Turb)	49.2	8.4	4.1	4.4			(NTU)
Dissolved Oxygen (DO)	2.84	2.68	3.36	3.56			(mg/l)
Temperature (Temp)	21.15	21.09	21.22	21.22			(°C)
ORP	-34.7	-3.4	-9.2	-9.2			

Depth to Bottom	196.08	(In) (Minus)	Depth to Water	120.84	(In)	=	75.24	HT (in)
Depth to Bottom	16.34	(Ft) (Minus)	Depth to Water	10.07	(Ft)	=	6.27	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			75.24	1	3.14	236	.0043	1.0		3.0	3
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
PAH	UST HPFF-MW06	2-1Liter Amber	4°C

COMMENTS: Cloudy-Black-Clear Air in water
Clear Sample

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFF-MW09 ✓✓
SAMPLE NO.USTH MW09

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/28/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 13:20
PHONE: 910-451-2390	WEATHER: Clear & Cold	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.63	6.23	6.11	6.11			(STD)
Specific Conductivity	0.734	0.744	0.750	0.751			(m S/cm)
Turbidity (Turb)	54.8	42.6	37.7	36.6			(NTU)
Dissolved Oxygen (DO)	5.68	4.60	4.32	4.30			(mg/l)
Temperature (Temp)	22.12	22.27	22.36	22.36			(°C)
ORP	87.2	101.5	106.7	106.9			

Depth to Bottom	560.16	(In) (Minus)	Depth to Water	96.72	(In)	=	463.44	HT (in)
Depth to Bottom	46.68	(Ft) (Minus)	Depth to Water	8.06	(Ft)	=	38.62	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			463.44	1	3.14	1455	.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 HPFF-MW09	3-40ml	HCL
PAH	UST HPFF-MW09	2-1Liter Amber	4°C

COMMENTS: Clear - Cloudy a little

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFF-MW10R SAMPLE NO.USTH

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-20-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0830
PHONE: 910-451-2390	WEATHER: Sunny, Clear 55°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.38	6.23					(STD)
Specific Conductivity	1.068	0.998					(m S/cm)
Turbidity (Turb)	1.1						(NTU)
Dissolved Oxygen (DO)	4.28						(mg/l)
Temperature (Temp)	19.41						(°C)
ORP	-72.7						

Depth to Bottom	204.72 ~~35~~ 17.00	(In) (Minus)	Depth to Water	172.92	(In)	=	31.80	HT (in)
Depth to Bottom	~~33.16~~	(Ft) (Minus)	Depth to Water	14.41	(Ft)	=	2.65	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			31.80	1	3.14	196	.0043	0.4	1.3	0.5
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL
PAH	UST	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water.
Purge dry, allow to recharge & sample
Purged 10/20/08 Did not Recharge Till 10/21/08

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST~~HPFF~~- mw11 SAMPLE NO.UST~~HPFF~~- mw11

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-21-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER: Clear 50°	
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	5.82	(Ft)	=		HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

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				

Vol.

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL
PAH	UST	2-1Liter Amber	4°C

COMMENTS: Dry

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFF- MW15
		SAMPLE NO. UST HPFF- MW15

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-24-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0830
PHONE: 910-451-2390	WEATHER: clear cool 40°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.36	6.12	6.04	5.99			(STD)
Specific Conductivity	0.282	0.284	0.284	0.286			(m S/cm)
Turbidity (Turb)	62.8	56.6	34.0	20.7			(NTU)
Dissolved Oxygen (DO)	1.81	1.43	1.38	1.32			(mg/l)
Temperature (Temp)	18.58	19.510	20.33	20.48			(°C)
ORP	-66.5	-69.8	-72.1	-73.8			

Depth to Bottom	271.32	(In) (Minus)	Depth to Water	123.24	(In)	=	148.08	HT (in)
Depth to Bottom	22.61	(Ft) (Minus)	Depth to Water	10.27	(Ft)	=	12.34	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			148.08	1	3.14	465	.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 HPFF-MW15	3-40ml	HCL
PAH	UST HPFF-MW15	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge Water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFF-MW17 A
SAMPLE NO. USTHPFF-MW17 A

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-20-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1135
PHONE: 910-451-2390	WEATHER: Sunny, Clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.11	5.96	5.88	5.83			(STD)
Specific Conductivity	0.379	0.376	0.376	0.375			(m S/cm)
Turbidity (Turb)	4.0	3.1	1.8	-1.6			(NTU)
Dissolved Oxygen (DO)	1.50	1.46	1.53	1.62			(mg/l)
Temperature (Temp)	20.89	20.99	21.01	21.02			(°C)
ORP	-63.3	-57.9	-55.3	-53.0			

Depth to Bottom	345.72	(In) (Minus)	Depth to Water	157.80	(In)	=	187.92	HT (in)
Depth to Bottom	28.81	(Ft) (Minus)	Depth to Water	13.15	(Ft)	=	15.66	HT (ft)

d = 24 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			187.92	1	3.14	2360	.0043	10.1		30.4	31
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW17	3-40ml	HCL
PAH	UST HPFF-MW17	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFF mw18 SAMPLE NO.USTHPFF- mw18

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/29/08
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
PAH	UST	2-1Liter Amber	4^0C

COMMENTS: Product in WELL 13.86'/13.43' = 0.43' product

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

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Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST USTHPFFMW19 SAMPLE NO.USTHPFF-MW19

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/20/08
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	6.41	5.99	5.80	5.80			(STD)
Specific Conductivity	0.171	0.164	0.162	0.162			(m S/cm)
Turbidity (Turb)	81.0	~~55.5~~	49.2	49.2			(NTU)
Dissolved Oxygen (DO)	4.48	3.50	2.91	2.91			(mg/l)
Temperature (Temp)	22.49	22.61	22.98	22.98			(°C)
ORP	169.7	189.3	207.4	207.4			

Depth to Bottom	325.08	(In) (Minus)	Depth to Water	165.72	(In)	=	159.36	HT (in)
Depth to Bottom	27.09	(Ft) (Minus)	Depth to Water	13.81	(Ft)	=	13.28	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			159.36	1	3.14	2002	.0043	8.6		25.8	26
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW19	3-40ml	HCL
PAH	UST HPFF-MW19	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFF-RW01 SAMPLE NO.USTH

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/30/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 10:20
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.00	6.96	6.93	6.93			(STD)
Specific Conductivity	1.345	1.343	1.343	1.343			(m S/cm)
Turbidity (Turb)	115.1	10.1	9.9	9.8			(NTU)
Dissolved Oxygen (DO)	0.82	0.85	0.85	0.85			(mg/l)
Temperature (Temp)	21.56	21.53	21.53	21.53			(°C)
ORP	-105.7	-108.0	-108.0	-108.0			

Depth to Bottom	226.40	(In) (Minus)	Depth to Water	99.48	(In)	=	226.92	HT (in)
Depth to Bottom	27.20	(Ft) (Minus)	Depth to Water	8.29	(Ft)	=	18.91	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			226.91	1	3.14	2,850	.0043	12.3		36.8	
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF - RW01	3-40ml	HCL
PAH	UST HPFF- RW01	2-1Liter Amber	4° C

COMMENTS: Clear with Black Particles in it.

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~~-RW02
		SAMPLE NO.USTH

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 11/7/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER: Sunny 70's	
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
PAH	UST	2-1Liter Amber	4^0 C

COMMENTS: Man hole covered w/ vehicle in parking lot.

NO Sample Taken 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 HPFF-RW03
		SAMPLE NO.USTH

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 11/7/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER: Sunny 70's	
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
PAH	UST	2-1Liter Amber	4°C

COMMENTS: man hole covered with vehicle in parking lot

NO Sample Taken Product in well 0.02' Product

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
~~OTHER: ☐~~			

SE

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFF RW04
SAMPLE NO.USTHPFF-RW04

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/30/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 12:15
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.26	5.16	5.16	5.01			(STD)
Specific Conductivity	0.694	0.694	0.692	0.691			(m S/cm)
Turbidity (Turb)	158.0	158.0	31.8	30.1			(NTU)
Dissolved Oxygen (DO)	4.67	4.67	4.67	4.67			(mg/l)
Temperature (Temp)	22.40	22.40	22.44	22.44			(°C)
ORP	12.6	12.6	16.1	15.6			

Depth to Bottom	358.92	(In) (Minus)	Depth to Water	82.56	(In)	=	276.36	HT (in)
Depth to Bottom	~~N/A~~ 29.91	(Ft) (Minus)	Depth to Water	10.88	(Ft)	=	23.03	HT (ft)

d = 8 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			276.36	1	3.14	7,810	.0043	33.6		100.7	100
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF - RW04	3-40ml	HCL
PAH	UST HPFF- RW04	2-1Liter Amber	4° C

COMMENTS: Bubbles in purge water Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST 1101-MW01
SAMPLE NO.UST# 1101-MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1250
PHONE: 910-451-2390	WEATHER: Sunny Clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.501	6.29	6.00	5.89			(STD)
Specific Conductivity	0.371a	0.370	0.365	0.362			(m S/cm)
Turbidity (Turb)	64.4	56.3	98.6	78.1			(NTU)
Dissolved Oxygen (DO)	6.86	6.73	6.74	6.72			(mg/l)
Temperature (Temp)	25.83	25.83	25.81	25.80			(°C)
ORP	-36.0	-29.6	-23.9	-21.7			

Depth to Bottom	156.86	(In) (Minus)	Depth to Water	118.56	(In)	=	38.40	HT (in)
Depth to Bottom	13.08	(Ft) (Minus)	Depth to Water	9.88	(Ft)	=	3.20	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			38.40	1	3.14	121	.0043	0.5		1.6	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1101-MW01	3-40ml	HCL
PAH	UST 1101-MW01	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SR

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST 1101-mw02
SAMPLE NO. UST# 1101-mw02

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-02
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1320
PHONE: 910-451-2390	WEATHER: Sunny Clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.14	5.83	5.52	5.40			(STD)
Specific Conductivity	0.257	0.256	0.248	0.247			(m S/cm)
Turbidity (Turb)	109.6	77.6	75.2	71.8			(NTU)
Dissolved Oxygen (DO)	5.38	5.27	5.46	5.35			(mg/l)
Temperature (Temp)	22.84	22.58	22.85	22.97			(°C)
ORP	-39.6	-26.5	-13.2	-8.6			

Depth to Bottom	156.00	(In) (Minus)	Depth to Water	119.40	(In)	=	36.60	HT (in)
Depth to Bottom	13.00	(Ft) (Minus)	Depth to Water	9.95	(Ft)	=	3.05	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			36.60	1	3.14	115	.0043	0.5	1.5	2
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1101-MW02	3-40ml	HCL
PAH	UST 1101-MW02	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST 1101- mw03	
SAMPLE NO.UST# 1101-mw03	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Sunny Clear 65
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 10-27-08

TIME 1125

☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.21	6.25	6.30	6.38			(STD)
Specific Conductivity	0.417	0.398	0.390	0.386			(m S/cm)
Turbidity (Turb)	164.7	113.0	113.1	114.2			(NTU)
Dissolved Oxygen (DO)	6.58	6.87	7.20	7.42			(mg/l)
Temperature (Temp)	24.33	24.39	24.42	24.42			(°C)
ORP	-48.9	-41.7	-40.2	-38.0			

Depth to Bottom	156.84	(In) (Minus)	Depth to Water	111.36	(In)	=	45.48	HT (in)
Depth to Bottom	13.07	(Ft) (Minus)	Depth to Water	9.28	(Ft)	=	3.79	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			45.48	1	3.14	143	.0043	0.6		1.8	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1101-mw03	3-40ml	HCL
PAH	UST 1101-mw03	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. ~~UST~~ IR78-GW12
SAMPLE NO. ~~UST~~ IR78-GW12

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-29-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0845
PHONE: 910-451-2390	WEATHER: Sunny Cool 40°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.87	6.69	6.66	6.65			(STD)
Specific Conductivity	0.281	0.279	0.277	0.278			(m S/cm)
Turbidity (Turb)	65.3	30.9	21.7	16.5			(NTU)
Dissolved Oxygen (DO)	8.11	8.01	7.92	7.97			(mg/l)
Temperature (Temp)	16.73	17.59	18.03	18.27			(°C)
ORP	-12.2	-12.9	-18.3	-14.7			

Depth to Bottom	333.12	(In) (Minus)	Depth to Water	150.60	(In)	=	182.52	HT (in)
Depth to Bottom	27.76	(Ft) (Minus)	Depth to Water	12.55	(Ft)	=	15.21	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			182.62	1	3.14	573	.0043	2.5		7.4	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW12	3-40ml	HCL
PAH	~~UST~~ IR78-GW12	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. ~~USF~~ IR78-GW16
SAMPLE NO. ~~USTH~~ IR78-GW16

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-28-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1045
PHONE: 910-451-2390	WEATHER: Sunny Cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.10	6.04	5.99	5.99			(STD)
Specific Conductivity	0.273	0.278	0.282	0.283			(m S/cm)
Turbidity (Turb)	102.9	105.8	88.7	78.9			(NTU)
Dissolved Oxygen (DO)	4.51	3.90	3.61	3.54			(mg/l)
Temperature (Temp)	21.97	22.00	22.13	22.08			(°C)
ORP	-28.0	-25.9	-25.5	-26.1			

Depth to Bottom	330.12	(In) (Minus)	Depth to Water	168.12	(In)	=	162.00	HT (in)
Depth to Bottom	27.51	(Ft) (Minus)	Depth to Water	14.01	(Ft)	=	13.5	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			162.00	1	3.14	509	.0043	2.2		6.6	7
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~USF~~ IR78-GW16	3-40ml	HCL
PAH	~~USF~~ IR78-GW16	2-1Liter Amber	4°C

COMMENTS: Milky white color

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST IR78-GW17-1S SAMPLE NO.USTH GW17-1

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/29/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 09:00
PHONE: 910-451-2390	WEATHER: Clear - Cold	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.31	7.15	7.14	7.14			(STD)
Specific Conductivity	1.224	1.222	1.215	1.215			(m S/cm)
Turbidity (Turb)	16.5	30.4	28.2	27.6			(NTU)
Dissolved Oxygen (DO)	8.96	8.88	8.86	8.86			(mg/l)
Temperature (Temp)	19.54	19.88	20.18	20.18			(°C)
ORP	110.4	102.9	93.3	93.2			

Depth to Bottom	277.44	(In) (Minus)	Depth to Water	151.56	(In)	=	125.88	HT (in)
Depth to Bottom	23.12	(Ft) (Minus)	Depth to Water	12.63	(Ft)	=	10.49	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			125.88	1	3.14	395	.0043	1.7		5.1	6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW17-1	3-40ml	HCL
PAH	~~UST~~ IR78-GW17-1	2-1Liter Amber	4^0C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

5E

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. ~~UST~~ IR78-GW17-2 SAMPLE NO. ~~UST~~ IR78-GW17-2

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1445
PHONE: 910-451-2390	WEATHER: Sunny clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.03	6.99	6.97	6.95			(STD)
Specific Conductivity	0.632	0.633	0.632	0.633			(m S/cm)
Turbidity (Turb)	10.7	9.1	8.3	16.7			(NTU)
Dissolved Oxygen (DO)	7.76	7.62	7.60	7.61			(mg/l)
Temperature (Temp)	21.95	21.93	21.80	21.89			(°C)
ORP	-51.3	-49.9	-48.7	-47.8			

Depth to Bottom	565.32	(In) (Minus)	Depth to Water	188.88	(In)	=	376.44	HT (in)
Depth to Bottom	~~8~~ 47.11	(Ft) (Minus)	Depth to Water	15.74	(Ft)	=	31.37	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			376.44	1	3.14	1,182	.0043	5.1	15.2	16
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
PAH	~~UST~~ IR78-GW17-2	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SR

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER:	125709
PROJECT NAME:	HPFF
WELL NO. ~~UST~~	IR78-GW21
SAMPLE NO. ~~USTH~~	IR78-GW21

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/20/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1206
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	6.84	5.54	5.81	5.73			(STD)
Specific Conductivity	0.296	0.301	0.303	0.345			(m S/cm)
Turbidity (Turb)	39.4	9.3	9.0	8.1			(NTU)
Dissolved Oxygen (DO)	4.21	4.02	3.91	3.51			(mg/l)
Temperature (Temp)	23.11	24.20	24.38	24.42			(°C)
ORP	167.9	193.8	202.5	205.9			

Depth to Bottom		(In) (Minus)	Depth to Water		(In)	=		HT (in)
Depth to Bottom		(Ft) (Minus)	Depth to Water	11-30	(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
PAH	UST	2-1Liter Amber	4^0 C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST IR78-GW22-1 SAMPLE NO.USTH GW22-1

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/20/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 11:45
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.21	5.99	5.82	5.82			(STD)
Specific Conductivity	0.495	0.482	0.470	0.470			(m S/cm)
Turbidity (Turb)	15.3	14.0	14.6	14.0			(NTU)
Dissolved Oxygen (DO)	3.75	2.03	0.62	0.62			(mg/l)
Temperature (Temp)	21.10	21.27	21.19	21.19			(°C)
ORP	17.6	7.2	6.4	7.4			

Depth to Bottom	300.00	(In) (Minus)	Depth to Water	154.80	(In)	=	145.20	HT (in)
Depth to Bottom	25.0	(Ft) (Minus)	Depth to Water	12.90	(Ft)	=	12.10	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			145.20	1	3.14	456	.0043	2.0		5.9	6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW-22-1	3-40ml	HCL
PAH	~~UST~~ IR78-GW-22-1	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. ~~UST~~ IR78-GW31-2 SAMPLE NO: ~~UST~~ IR78-GW31-2

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-29-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0915
PHONE: 910-451-2390	WEATHER: Sunny Cool 40°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.40	7.25	7.17	7.15			(STD)
Specific Conductivity	0.158	0.156	0.156	0.156			(m S/cm)
Turbidity (Turb)	11.2	6.0	1.9	1.4			(NTU)
Dissolved Oxygen (DO)	2.86	1.23	0.95	0.90			(mg/l)
Temperature (Temp)	21.38	21.57	22.19	22.18			(°C)
ORP	-34.5	-33.5	-33.9	-33.9			

Depth to Bottom	926.40	(In) (Minus)	Depth to Water	139.56	(In)	=	786.84	HT (in)
Depth to Bottom	77.20	(Ft) (Minus)	Depth to Water	11.63	(Ft)	=	65.57	HT (ft)

d = 4 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = .5

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			786.84	1	3.14	9,883	.0043	42.5		127.5	125
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW31-2	3-40ml	HCL
PAH	~~UST~~ IR78-GW31-2	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

OTHER: ☐

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. ~~IRP~~ IR78-GW31-3
		SAMPLE NO. ~~IRP~~ IR78-GW31-3

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-29-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0935
PHONE: 910-451-2390	WEATHER: Sunny Cool 40°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.94	8.40	8.94	9.13			(STD)
Specific Conductivity	0.140	0.145	0.152	0.158			(m S/cm)
Turbidity (Turb)	4.8	1.9	1.6	1.4			(NTU)
Dissolved Oxygen (DO)	2.71	1.38	1.01	0.92			(mg/l)
Temperature (Temp)	22.32	22.84	23.09	23.12			(°C)
ORP	-47.8	-45.5	-49.4	-51.8			

Depth to Bottom	1,200.00+	(In) (Minus)	Depth to Water	137.52	(In)	=	1,062.48	HT (in)
Depth to Bottom	100.00+	(Ft) (Minus)	Depth to Water	11.46	(Ft)	=	88.54	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			1,062.48	1	3.14	13,345	.0043	57.4		172.1	170
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~IRP~~ IR78-GW31-3	3-40ml	HCL
PAH	~~IRP~~ IR78-GW31-3	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

OTHER: ☐

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST ~~[illegible]~~ IR78 EW32-2 SAMPLE NO.USTH GW 32-2

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/27/03
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 14:10
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.64	6.68	6.73	6.73			(STD)
Specific Conductivity	1.761	1.759	1.745	1.745			(m S/cm)
Turbidity (Turb)	7.8	8.2	7.2	7.3			(NTU)
Dissolved Oxygen (DO)	0.70	0.58	0.49	0.48			(mg/l)
Temperature (Temp)	21.88	21.87	21.82	21.82			(°C)
ORP	-70.2	-69.1	-68.4	-68.4			

Depth to Bottom	949.44	(In) (Minus)	Depth to Water	132.36	(In)	=	817.08	HT (in)
Depth to Bottom	79.12	(Ft) (Minus)	Depth to Water	11.03	(Ft)	=	68.09	HT (ft)

d = 24 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			817.08	1	3.14	10,263	.0043	44.1		132.4	135
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW32-2	3-40ml	HCL
PAH	~~UST~~ IR78 - GW32-2	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. ~~UST~~ IR78-GW32-03 SAMPLE NO. ~~UST~~ IR78-GW32-03

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1340
PHONE: 910-451-2390	WEATHER: Sunny Clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.49	6.49	6.45	6.41			(STD)
Specific Conductivity	0.6669	0.6673	0.674	0.674			(m S/cm)
Turbidity (Turb)	274.2	216.2	191.9	166.7			(NTU)
Dissolved Oxygen (DO)	2.90	1.60	1.01	0.85			(mg/l)
Temperature (Temp)	21.17	20.94	20.83	20.79			(°C)
ORP	-47.9	-44.3	-36.7	-32.1			

Depth to Bottom	1836.00	(In) (Minus)	Depth to Water	132.36	(In)	=	1703.64	HT (in)
Depth to Bottom	153.00	(Ft) (Minus)	Depth to Water	11.03	(Ft)	=	141.97	HT (ft)

d = 24 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			1703.64	1	3.14	21358	.0043	92		276	250
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW32-3	3-40ml	HCL
PAH	~~UST~~ IR78-GW32-3	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

5E

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW01
SAMPLE NO. USTHPFFC-MW01

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-21-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1115
PHONE: 910-451-2390	WEATHER: Sunny Clear 55°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.58	4.50	4.40	4.72			(STD)
Specific Conductivity	0.154	0.121	0.114	0.128			(m S/cm)
Turbidity (Turb)	1320.9	260.3	265.5	58.9			(NTU)
Dissolved Oxygen (DO)	6.62	6.81	6.83	7.06			(mg/l)
Temperature (Temp)	21.57	21.92	22.09	22.21			(°C)
ORP	92.7	116.0	85.2	46.4			

Depth to Bottom	180.60	(In) (Minus)	Depth to Water	68.52	(In)	=	112.08	HT (in)
Depth to Bottom	15.05	(Ft) (Minus)	Depth to Water	5.71	(Ft)	=	9.34	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			112.08	1	3.14	352	.0043	1.5		4.5	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW01	3-40ml	HCL
PAH	USTHPFFC-MW01	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water
Rusty red colored water, clear when sampled

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-mw02 SAMPLE NO. UST HPFFC-mw02

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-21-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0940
PHONE: 910-451-2390	WEATHER: Sunny Clear 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.53	5.55	5.86	5.39			(STD)
Specific Conductivity	0.308	0.237	0.235	0.227			(m S/cm)
Turbidity (Turb)	1309.2	411.3	448.3	787.3			(NTU)
Dissolved Oxygen (DO)	5.02	6.15	6.08	6.33			(mg/l)
Temperature (Temp)	20.30	20.81	20.91	20.94			(°C)
ORP	18.6	5.5	1.1	32.9			

Depth to Bottom	177.60	(In) (Minus)	Depth to Water	95.40	(In)	=	82.20	HT (in)
Depth to Bottom	14.80	(Ft) (Minus)	Depth to Water	7.95	(Ft)	=	6.85	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			82.20	1	3.14	258	.0043	1.1	3.3	4
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST UstHPFFC-MW02	3-40ml	HCL
PAH	UST HPFFC-MW02	2-1Liter Amber	4° C

COMMENTS: Bubbles in Purge water
Rusty tint color to water when first purged, clear when sampled

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST # HPFFC-MW03
		SAMPLE NO.USTH PFFC-MW03

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/20/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1415
PHONE: 910-451-2390	WEATHER: Sunny 50-60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.48	4.23	3.92	3.88			(STD)
Specific Conductivity	0.305	0.282	0.284	0.289			(m S/cm)
Turbidity (Turb)	11.5	17.1	177.1	37.6			(NTU)
Dissolved Oxygen (DO)	4.45	2.57	1.46	~~1.43~~ ← 1.43			(mg/l)
Temperature (Temp)	22.06	22.36	22.27	22.17			(°C)
ORP	278.8	338.9	385.0	396.8			

Depth to Bottom	211.80	(In) (Minus)	Depth to Water	143.52	(In)	=	68.28	HT (in)
Depth to Bottom	17.65	(Ft) (Minus)	Depth to Water	11.96	(Ft)	=	5.69	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			68.28	1	3.14	214	.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	UST HPFFC-MW03	3-40ml	HCL
PAH	UST # PFFC-MW03	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SK

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC- mw04	
SAMPLE NO. USTHPFFC- mw04	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Sunny Cool 45°
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer □ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.63	5.33	5.16	5.07			(STD)
Specific Conductivity	0.086	0.086	0.086	0.086			(m S/cm)
Turbidity (Turb)	48.9	47.8	44.3	38.4			(NTU)
Dissolved Oxygen (DO)	7.76	7.79	7.83	7.76			(mg/l)
Temperature (Temp)	20.23	20.30	20.25	20.32			(°C)
ORP	19.6	20.9	19.0	19.0			

Depth to Bottom	175.56	(In) (Minus)	Depth to Water	133.32	(In)	=	42.24	HT (in)
Depth to Bottom	14.63	(Ft) (Minus)	Depth to Water	11.11	(Ft)	=	3.52	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			42.24	1	3.14	133	.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	USTHPFFC- mw04	3-40ml	HCL
PAH	USTHPFFC- mw04	2-1Liter Amber	4°C

COMMENTS: Milky white

PURGE DISCHARGED:	DRUM: □	DRUM#	SITE TREATMENT: [X]
~~OTHER: □~~			

5E

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC MW05
SAMPLE NO.USTH MW05

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/27/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 13:10
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.08	5.90	5.90	5.90			(STD)
Specific Conductivity	0.843	0.839	0.839	0.839			(m S/cm)
Turbidity (Turb)	19.1	19.4	19.4	19.1			(NTU)
Dissolved Oxygen (DO)	6.21	6.18	6.18	6.18			(mg/l)
Temperature (Temp)	26.85	27.02	27.02	27.02			(°C)
ORP	28.0	42.2	42.7	42.8			

Depth to Bottom	176.52	(In) (Minus)	Depth to Water	104.28	(In)	=	72.24	HT (in)
Depth to Bottom	14.71	(Ft) (Minus)	Depth to Water	8.69	(Ft)	=	6.02	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			72.29	1	3.14	227	.0043	1.0	2.9	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
PAH	UST HPFFC-MW05	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC-MW06
		SAMPLE NO.USTHPFFC-GWMW06

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/20/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1503
PHONE: 910-451-2390	WEATHER: SUNNY 50-60'	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.54	4.66	4.83	4.83			(STD)
Specific Conductivity	0.322	0.315	0.308	0.308			(m S/cm)
Turbidity (Turb)	49.4	18.6	6.12	6.1			(NTU)
Dissolved Oxygen (DO)	2.78	1.08	0.69	0.69			(mg/l)
Temperature (Temp)	21.58	21.15	20.16	20.16			(°C)
ORP	302.6	246.2	165.6	165.5			

Depth to Bottom	745.20	(In) (Minus)	Depth to Water	152.40	(In)	=	592.80	HT (in)
Depth to Bottom	62.10	(Ft) (Minus)	Depth to Water	12.70	(Ft)	=	49.40	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			592.80	1	3.14	1861	.0043	8.0		24.0	25
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW06	3-40ml	HCL
PAH	UST HPFFC-MW06	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SR

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-MW07 SAMPLE NO. UST H PFFC-MW07

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-21-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1010
PHONE: 910-451-2390	WEATHER: Sunny clear 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.39	5.47	5.53	5.55			(STD)
Specific Conductivity	0.419	0.417	0.414	0.409			(m S/cm)
Turbidity (Turb)	48.1	33.8	40.4	125.9			(NTU)
Dissolved Oxygen (DO)	1.93	1.26	1.17	0.99			(mg/l)
Temperature (Temp)	18.96	18.94	18.90	18.83			(°C)
ORP	-22.3	32.6	-32.6	-34.9			

Depth to Bottom	583.20	(In) (Minus)	Depth to Water	139.56	(In)	=	443.64	HT (in)
Depth to Bottom	48.60	(Ft) (Minus)	Depth to Water	11.63	(Ft)	=	36.97	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			443.64	1	3.14	1393	.0043	6.0		18	18
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
PAH	UST HPFFC-MW07	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

5E

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC MW08	
SAMPLE NO.USTH MW08	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Clear
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 10/20/08
TIME 10.40
☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.52	6.52	6.52	6.52			(STD)
Specific Conductivity	0.821	0.824	0.824	0.824			(m S/cm)
Turbidity (Turb)	3.5	2.4	2.6	2.7			(NTU)
Dissolved Oxygen (DO)	1.52	1.35	1.35	1.35			(mg/l)
Temperature (Temp)	21.47	21.37	21.37	21.28			(°C)
ORP	-125.9	-133.5	-133.5	-133.5			

Depth to Bottom	612.72	(In) (Minus)	Depth to Water	209.76	(In)	=	402.96	HT (in)
Depth to Bottom	51.06	(Ft) (Minus)	Depth to Water	17.48	(Ft)	=	33.58	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			402.96	1	3.14	1265	.0043	5.4		16.3	17
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
PAH	UST HPFFC-MW08	2-1Liter Amber	4° C

COMMENTS: AIR BUBBLES IN WATER (CLEAR - SLIGHTLY BROWN)

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709 ✓✓
PROJECT NAME: HPFF
WELL NO. UST HPFFC mw09
SAMPLE NO.USTH mw09

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 11:45
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.81	6.85	6.89	6.90			(STD)
Specific Conductivity	0.864	0.870	0.867	0.869			(m S/cm)
Turbidity (Turb)	9.6	3.1	1.2	1.0			(NTU)
Dissolved Oxygen (DO)	5.39	4.33	3.87	3.80			(mg/l)
Temperature (Temp)	24.30	24.20	24.10	24.09			(°C)
ORP	15.5	11.8	9.7	9.7			

Depth to Bottom	590.76	(In) (Minus)	Depth to Water	117.24	(In)	=	473.52	HT (in)
Depth to Bottom	49.23	(Ft) (Minus)	Depth to Water	9.77	(Ft)	=	39.46	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			473.52	1	3.14	1487	.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 HPFFC-mw09	3-40ml	HCL
PAH	UST HPFFC-mw09	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC-MW10
		SAMPLE NO.USTHPFFC-MW10

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-20-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1100
PHONE: 910-451-2390	WEATHER: Sunny clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.44	6.43	6.43	~~6.98~~			(STD)
Specific Conductivity	1.140	1.139	1.144	~~0.005~~	1.144		(m S/cm)
Turbidity (Turb)	14.2	18.3	58.7	50.6			(NTU)
Dissolved Oxygen (DO)	3.06	2.96	3.32	3.32			(mg/l)
Temperature (Temp)	20.05	20.06	20.13	20.13			(°C)
ORP	-26.4	-31.3	-34.1	-34.3			

Depth to Bottom	960.00	(In) (Minus)	Depth to Water	192.12	(In)	=	767.88	HT (in)
Depth to Bottom	80.00	(Ft) (Minus)	Depth to Water	16.01	(Ft)	=	63.99	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			767.88	1	3.14	24.11	.0043	10.4		31.1	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
PAH	UST HPFFC-MW10	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

5E

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFFC-MW11	
SAMPLE NO. USTHPFFC-MW11	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin — DATE 10-20-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin — TIME 1080
PHONE: 910-451-2390	WEATHER: Sunny Clear 55°
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer — ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.94	6.58	6.47	6.47			(STD)
Specific Conductivity	0.367	0.355	0.355	0.355			(m S/cm)
Turbidity (Turb)	18.3	0.9	0.0	0.0			(NTU)
Dissolved Oxygen (DO)	1.96	0.73	0.68	0.68			(mg/l)
Temperature (Temp)	19.50	20.38	20.20	20.20			(°C)
ORP	-29.4	-36.9	-38.4	-38.4			

Depth to Bottom	968.00	(In) (Minus)	Depth to Water	191.76	(In)	=	777.24	HT (in)
Depth to Bottom	80.75	(Ft) (Minus)	Depth to Water	15.98	(Ft)	=	64.77	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			777.24	1	3.14	2441	.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	UST HPFFC-MW11	3-40ml	HCL
PAH	UST HPFFC-MW11	2-1Liter Amber	4°C

COMMENTS: Bubble in Purge Water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

5R

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW12 SAMPLE NO.USTH MW12

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/21/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0915
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.38	7.01	7.10	7.10			(STD)
Specific Conductivity	0.639	0.770	0.770	0.770			(m S/cm)
Turbidity (Turb)	18.0	12.3	12.2	12.1			(NTU)
Dissolved Oxygen (DO)	5.56	0.75	0.67	0.67			(mg/l)
Temperature (Temp)	19.44	19.81	19.86	19.87			(°C)
ORP	-63.2	-149.1	-159.9	-160.9			

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	136.56	(In)	=	1663.44	HT (in)
Depth to Bottom	~~180~~ 150.00	(Ft) (Minus)	Depth to Water	11.38	(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			1663.44	1	3.14	5223	.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
PAH	UST HPFFC-MW12	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW14 SAMPLE NO.USTH MW14

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/21/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0840
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.87	5.87	5.87	5.87			(STD)
Specific Conductivity	0.597	0.594	0.593	0.593			(m S/cm)
Turbidity (Turb)	13.3	6.1	6.1	6.0			(NTU)
Dissolved Oxygen (DO)	0.32	0.33	0.32	0.33			(mg/l)
Temperature (Temp)	22.63	22.74	22.74	22.73			(°C)
ORP	-14.0	-18.0	-18.1	-18.0			

Depth to Bottom	183.00	(In) (Minus)	Depth to Water	74.52	(In)	=	108.48	HT (in)
Depth to Bottom	15.25	(Ft) (Minus)	Depth to Water	6.21	(Ft)	=	9.04	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			108.48	1	3.14	341	.0043	1.5		4.4	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW14	3-40ml	HCL
PAH	UST HPFFC-MW14	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW15 SAMPLE NO.USTH MW15

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 11/20/06
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 14:45
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.85	5.61	5.57	5.57			(STD)
Specific Conductivity	0.643	0.641	0.640	0.640			(m S/cm)
Turbidity (Turb)	42.0	35.7	35.2	35.2			(NTU)
Dissolved Oxygen (DO)	1.04	0.54	0.46	0.41			(mg/l)
Temperature (Temp)	22.58	22.60	22.60	22.70			(°C)
ORP	21.7	20.1	17.8	17.6			

Depth to Bottom	184.68	(In) (Minus)	Depth to Water	99.48	(In)	=	85.20	HT (in)
Depth to Bottom	15.39	(Ft) (Minus)	Depth to Water	8.29	(Ft)	=	7.10	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			85.20	1	3.14	268	.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	UST HPFFC-MW15	3-40ml	HCL
PAH	UST HPFFC-MW15	2-1Liter Amber	4°C

COMMENTS: Slightly Cloudy - Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC mw17 ✓✓ SAMPLE NO.USTH mw17

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/27/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 10:45
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.34	6.31	6.31	6.31			(STD)
Specific Conductivity	1131	1.128	1.128	1.128			(m S/cm)
Turbidity (Turb)	42.1	20.0	28.1	19.2			(NTU)
Dissolved Oxygen (DO)	1.09	0.73	0.73	0.73			(mg/l)
Temperature (Temp)	28.19	28.35	28.35	28.35			(°C)
ORP	-94.6	-97.6	-97.6	-97.6			

Depth to Bottom	166.20	(In) (Minus)	Depth to Water	80.40	(In)	=	85.80	HT (in)
Depth to Bottom	13.85	(Ft) (Minus)	Depth to Water	6.70 ?	(Ft)	=	7.15	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			85.80	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	UST HPFFC-mw17	3-40ml	HCL
PAH	UST HPFFC-mw17	2-1Liter Amber	4° C

COMMENTS: Clear Smells Like Fuel

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC MW19
SAMPLE NO. USTH MW19

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 13:35
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.04	6.07	6.10	6.15			(STD)
Specific Conductivity	1.225	1.201	1.167	1.111			(m S/cm)
Turbidity (Turb)	43.1	37.3	38.3	40.1			(NTU)
Dissolved Oxygen (DO)	2.37	0.70	0.47	0.43			(mg/l)
Temperature (Temp)	23.70	23.71	23.71	23.71			(°C)
ORP	-118.2	-134.8	-145.9	-146.6			

Depth to Bottom	180.72	(In) (Minus)	Depth to Water	80.40	(In)	=	100.32	HT (in)
Depth to Bottom	15.06 ~~5.70~~	(Ft) (Minus)	Depth to Water	6.70	(Ft)	=	8.36	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			100.32	1	3.14	316	.0043	1.4		4.1	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-mw19	3-40ml	HCL
PAH	USTHPFFC-mw19	2-1Liter Amber	4°C

COMMENTS: Black - Cloudy

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

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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 10/20/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1550
PHONE: 910-451-2390	WEATHER: Sunny 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.31	5.29	5.29	5.29			(STD)
Specific Conductivity	0.108	0.094	0.101	0.101			(m S/cm)
Turbidity (Turb)	208.7	73.9	0.2	0.1			(NTU)
Dissolved Oxygen (DO)	1.14	0.65	0.60	0.55			(mg/l)
Temperature (Temp)	22.47	22.63	22.64	22.64			(°C)
ORP	-25.8	-39.4	-51.0	-51.1			

Depth to Bottom	170.40	(In) (Minus)	Depth to Water	113.40	(In)	=	57.00	HT (in)
Depth to Bottom	14.20	(Ft) (Minus)	Depth to Water	9.45	(Ft)	=	4.75	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			57.00	1	3.14	179	.0043	0.8		2.3	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW20	3-40ml	HCL
PAH	UST HPFFC-MW20	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

OTHER: ☐

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW21 SAMPLE NO.USTH MW21

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/21/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 11:30
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.19	6.10	6.06	6.06			(STD)
Specific Conductivity	1.136	1.151	1.155	1.155			(m S/cm)
Turbidity (Turb)	39.5	8.6	7.2	7.1			(NTU)
Dissolved Oxygen (DO)	5.58	4.92	4.74	4.73			(mg/l)
Temperature (Temp)	23.15	23.18	23.16	23.15			(°C)
ORP	27.1	26.4	26.7	26.7			

Depth to Bottom	159.00	(In) (Minus)	Depth to Water	63.12	(In)	=	95.88	HT (in)
Depth to Bottom	13.25	(Ft) (Minus)	Depth to Water	5.26	(Ft)	=	7.99	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			95.88	1	3.14	301	.0043	1.3		3.9	✓
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW21	3-40ml	HCL
PAH	UST HPFFC-MW21	2-1Liter Amber	4°C

COMMENTS: Clear - Brown Rust

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFSC-mw22
SAMPLE NO.USTHPFFC-mw22

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-30-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1045
PHONE: 910-451-2390	WEATHER: Sunny Cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.02	6.05	6.15	6.17			(STD)
Specific Conductivity	0.291	0.288	0.285	0.282			(m S/cm)
Turbidity (Turb)	32.5	37.5	30.6	33.7			(NTU)
Dissolved Oxygen (DO)	2.83	1.54	1.38	1.36			(mg/l)
Temperature (Temp)	20.72	20.96	21.05	21.07			(°C)
ORP	-122.4	-134.7	-128.1	-126.8			

Depth to Bottom	160.20	(In) (Minus)	Depth to Water	73.80	(In)	=	86.40	HT (in)
Depth to Bottom	13.35	(Ft) (Minus)	Depth to Water	6.15	(Ft)	=	7.2	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			86.40	1	3.14	271	.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	UST HPFFC-mw22	3-40ml	HCL
PAH	USTHPFFC-mw22	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

OTHER: ☐

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-mw24 SAMPLE NO. UST HPFFC-mw24

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 11/3/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1032
PHONE: 910-451-2390	WEATHER: Cloudy 40°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.57						(STD)
Specific Conductivity	0.648						(m S/cm)
Turbidity (Turb)	69.0						(NTU)
Dissolved Oxygen (DO)	1.62						(mg/l)
Temperature (Temp)	24.03						(°C)
ORP	-88.6						

Depth to Bottom	178.68	(In) (Minus)	Depth to Water	147.96	(In)	=	30.72	HT (in)
Depth to Bottom	14.89	(Ft) (Minus)	Depth to Water	12.33	(Ft)	=	2.56	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			30.72	1	3.14	96	.0043	0.4		1.2	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL
PAH	UST	2-1Liter Amber	4°C

COMMENTS: purged enough to fill ambers + vials

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFF-MW25 SAMPLE NO.USTH

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE
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
PAH	UST	2-1Liter Amber	4° C

COMMENTS: DRY Sand only

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709 ✓✓
PROJECT NAME: HPFF
WELL NO. UST HPFFC MW28
SAMPLE NO.USTH MW28

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 11:10
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.15	6.09	6.09	6.09			(STD)
Specific Conductivity	0.756	0.752	0.752	0.752			(m S/cm)
Turbidity (Turb)	16.8	12.6	12.3	12.3			(NTU)
Dissolved Oxygen (DO)	2.73	2.73	2.73	2.73			(mg/l)
Temperature (Temp)	27.22	27.23	27.23	27.23			(°C)
ORP	-20.2	-18.3	-18.3	-18.1			

Depth to Bottom	157.80	(In) (Minus)	Depth to Water	93.84	(In)	=	63.96	HT (in)
Depth to Bottom	13.15	(Ft) (Minus)	Depth to Water	7.82	(Ft)	=	5.33	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			63.96	1	3.14	201	.0043	0.9		2.6	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW28	3-40ml	HCL
PAH	UST HPFFC-MW28	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-MW29 SAMPLE NO.USTH

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/30/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 09:40
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.82	6.96	6.81	6.72			(STD)
Specific Conductivity	2.348	2.396	2.391	2.392			(m S/cm)
Turbidity (Turb)	198.6	57.4	44.1	44.1			(NTU)
Dissolved Oxygen (DO)	2.20	3.13	1.46	0.96			(mg/l)
Temperature (Temp)	21.23	21.39	21.51	21.66			(°C)
ORP	-96.4	-81.3	-78.0	-79.1			

Depth to Bottom	167.40	(In) (Minus)	Depth to Water	98.76	(In)	=	68.64	HT (in)
Depth to Bottom	13.95	(Ft) (Minus)	Depth to Water	8.23	(Ft)	=	5.72	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			68.64	1	3.14	216	.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-mw29	3-40ml	HCL
PAH	USTHPFFC-mw29	2-1Liter Amber	4°C

COMMENTS: Cloudy Air in Water Lots.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709 ✓✓
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW30
SAMPLE NO. USTHPFFC-MW30

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1420
PHONE: 910-451-2390	WEATHER: Sunny Clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.41	6.32	6.28	6.26			(STD)
Specific Conductivity	0.558	0.546	0.544	6.539			(m S/cm)
Turbidity (Turb)	67.7	40.9	136.3	32.0			(NTU)
Dissolved Oxygen (DO)	5.55	5.61	5.11	4.96			(mg/l)
Temperature (Temp)	24.18	24.16	24.10	24.07			(°C)
ORP	-71.6	-73.8	-73.5	-73.2			

Depth to Bottom	180.76	(In) (Minus)	Depth to Water	93.36	(In)	=	87.36	HT (in)
Depth to Bottom	~~11.95~~ 15.06	(Ft) (Minus)	Depth to Water	7.78	(Ft)	=	7.28	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			87.36	1	3.14	274	.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	USTHPFFC- MW30	3-40ml	HCL
PAH	USTHPFFC- MW30	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC MW31
		SAMPLE NO.USTH MW31

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/27/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 14:40
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.62	6.51	6.51	6.51			(STD)
Specific Conductivity	1.215	1.204	1.264	1.204			(m S/cm)
Turbidity (Turb)	5.2	1.1	1.0	1.2			(NTU)
Dissolved Oxygen (DO)	3.01	2.60	2.60	2.59			(mg/l)
Temperature (Temp)	24.18	24.18	24.18	2423			(°C)
ORP	62.1	70.3	70.5	70.9			

Depth to Bottom	166.20	(In) (Minus)	Depth to Water	123.72	(In)	=	42.48	HT (in)
Depth to Bottom	13.85	(Ft) (Minus)	Depth to Water	10.31	(Ft)	=	3.54	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			42.48	1	3.14	133	.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-MW31	3-40ml	HCL
PAH	UST HPFFC-MW31	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC-mw32 SAMPLE NO. USTHPFFC-mw32

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-28-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER: Sunny Cool 55°	
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	13.75	(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
PAH	UST	2-1Liter Amber	4°C

COMMENTS: well Dry

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. USTHPFFC mw33 SAMPLE NO.USTHPFFC-mw33

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-28-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER: Sunny Cool 55°	
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	14.00	(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
PAH	UST	2-1Liter Amber	4° C

COMMENTS: Well Dry

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC-MW34 ✓
		SAMPLE NO.USTH MW34 ✓

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/29/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0930
PHONE: 910-451-2390	WEATHER: Clear Cold	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.97	5.63	5.27	5.23			(STD)
Specific Conductivity	1.023	1.016	1.013	1.013			(m S/cm)
Turbidity (Turb)	225.4	229.1	190.2	196.1			(NTU)
Dissolved Oxygen (DO)	6.60	6.61	6.46	6.46			(mg/l)
Temperature (Temp)	22.66	22.88	23.33	23.30			(°C)
ORP	193.7	198.2	229.1	230.8			

Depth to Bottom	168.00	(In) (Minus)	Depth to Water	114.72	(In)	=	53.28	HT (in)
Depth to Bottom	14.0	(Ft) (Minus)	Depth to Water	9.56	(Ft)	=	4.44	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			53.28	1	3.14	167	.0043	0.7		2.2	2½
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW34	3-40ml	HCL
PAH	UST HPFFC-MW34	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SK

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW35 V/
SAMPLE NO. USTHPFFC-MW35

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/29/05
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 9:55
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.90	4.86	4.84	4.84			(STD)
Specific Conductivity	0.730	0.727	0.724	0.724			(m S/cm)
Turbidity (Turb)	95.8	87.0	81.7	65.1			(NTU)
Dissolved Oxygen (DO)	6.90	7.03	7.10	7.17			(mg/l)
Temperature (Temp)	24.62	24.63	24.69	24.72			(°C)
ORP	216.8	218.0	221.0	223.0			

Depth to Bottom	163.20	(In) (Minus)	Depth to Water	112.20	(In)	=	51.00	HT (in)
Depth to Bottom	13.60	(Ft) (Minus)	Depth to Water	9.35	(Ft)	=	4.25	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			51.00	1	3.14	160	.0043	0.7		2.1	2 1/2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW35	3-40ml	HCL
PAH	UST HPFFC-MW35	2-1Liter Amber	4°C

COMMENTS: Cloudy

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC-mw38
		SAMPLE NO. USTHPFFC-mw38

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-29-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1010
PHONE: 910-451-2390	WEATHER: Sunny cool 55°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.14						(STD)
Specific Conductivity	0.202						(m S/cm)
Turbidity (Turb)	13309						(NTU)
Dissolved Oxygen (DO)	7.56						(mg/l)
Temperature (Temp)	23.08						(°C)
ORP	-51.9						

Depth to Bottom	157.80	(In) (Minus)	Depth to Water	126.00	(In)	=	31.80	HT (in)
Depth to Bottom	13.15	(Ft) (Minus)	Depth to Water	10.50	(Ft)	=	2.65	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			31.80	1	3.14	100	.0043	0.4		1.3	1½
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC - mw38	3-40ml	HCL
PAH	USTHPFFC mw38	2-1Liter Amber	4° C

COMMENTS: Increased levels of mud
Well went dry 1 x VOC.
enough for 1½ Amber Jars

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. USTHPFFC-mw40
SAMPLE NO. USTHPFFC-mw40

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-28-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0940
PHONE: 910-451-2390	WEATHER: Clear Cool 40°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.15	6.01	5.99	5.99			(STD)
Specific Conductivity	0.403	0.404	0.402	0.594			(m S/cm)
Turbidity (Turb)	1352.8	1030.8	270.8	112.0			(NTU)
Dissolved Oxygen (DO)	3.26	0.95	0.81	0.78			(mg/l)
Temperature (Temp)	20.07	19.99	19.96	20.08			(°C)
ORP	-28.5	-34.4	-36.1	-37.1			

Depth to Bottom	175.92	(In) (Minus)	Depth to Water	91.92	(In)	=	84.00	HT (in)
Depth to Bottom	14.66	(Ft) (Minus)	Depth to Water	7.66	(Ft)	=	7	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			84.00	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-mw40	3-40ml	HCL
PAH	USTHPFFC-mw40	2-1Liter Amber	4°C

COMMENTS: muddy water then clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709 ✓✓
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW41
SAMPLE NO.USTHPFFC-MW41

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-28-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1010
PHONE: 910-451-2390	WEATHER: Sunny cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.28	6.06	6.03	6.02			(STD)
Specific Conductivity	0.283	0.300	0.309	0.313			(m S/cm)
Turbidity (Turb)	85.4	110.6	125.7	186.1			(NTU)
Dissolved Oxygen (DO)	3.61	3.29	3.84	4.40			(mg/l)
Temperature (Temp)	23.48	23.79	23.93	24.07			(°C)
ORP	-69.5	-68.3	-63.0	-60.3			

Depth to Bottom	165.60	(In) (Minus)	Depth to Water	123.36	(In)	=	42.24	HT (in)
Depth to Bottom	13.80	(Ft) (Minus)	Depth to Water	10.28	(Ft)	=	3.52	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			42.24	1	3.14	133	.0043	0.6	1.2	2
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW41	3-40ml	HCL
PAH	UST HPFFC-MW41	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW42 SAMPLE NO.USTH MW 42

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 11/3/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 10:00
PHONE: 910-451-2390	WEATHER: Raing	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.46	5.97	5.96	5.89			(STD)
Specific Conductivity	0.779	0.818	0.818	0.819			(m S/cm)
Turbidity (Turb)	117.2	69.9	64.3	47.1			(NTU)
Dissolved Oxygen (DO)	4.90	2.22	2.10	1.40			(mg/l)
Temperature (Temp)	21.04	21.70	21.76	21.86			(°C)
ORP	+31.2	-32.1	-32.5	-32.5			

Depth to Bottom	171.72	(In) (Minus)	Depth to Water	98.40	(In)	=	73.32	HT (in)
Depth to Bottom	14.31	(Ft) (Minus)	Depth to Water	8.20	(Ft)	=	6.11	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			73.32	1	3.14	230	.0043	1.0	3.0	3
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-mw42	3-40ml	HCL
PAH	USTHPFFC-mw42	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST SAMPLE NO.USTHPFFC-MW59

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-21-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1035
PHONE: 910-451-2390	WEATHER: Sunny clear 55°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.98	6.26	6.36	6.42			(STD)
Specific Conductivity	0.517	0.523	0.585	0.667			(m S/cm)
Turbidity (Turb)	17.2	9.2	9.4	11.5			(NTU)
Dissolved Oxygen (DO)	6.08	5.74	5.56	5.37			(mg/l)
Temperature (Temp)	18.54	18.60	18.61	18.63			(°C)
ORP	-3.5	-22.9	-26.4	-48.9			

Depth to Bottom	933.84	(In) (Minus)	Depth to Water	140.76	(In)	=	793.08	HT (in)
Depth to Bottom	~~[illegible]~~ 77.82	(Ft) (Minus)	Depth to Water	11.73	(Ft)	=	66.09	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			793.08	1	3.14	2490	.0043	10.7		32.1	33
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW55	3-40ml	HCL
PAH	UST HPFFC-MW59	2-1Liter Amber	4°C

COMMENTS: Bubbles in purge water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

OTHER: ☐

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW60 SAMPLE NO.USTH MW60

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/21/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 10:10
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.54	7.67	7.67	7.67			(STD)
Specific Conductivity	0.903	0.904	0.904	0.905			(m S/cm)
Turbidity (Turb)	14.5	14.4	14.5	13.9			(NTU)
Dissolved Oxygen (DO)	5.42	5.24	5.23	5.22			(mg/l)
Temperature (Temp)	20.13	20.39	20.39	20.39			(°C)
ORP	-67.8	-82.2	-82.2	-82.5			

Depth to Bottom	592.00	(In) (Minus)	Depth to Water	122.92	(In)	=	469.08	HT (in)
Depth to Bottom	49.25	(Ft) (Minus)	Depth to Water	10.66	(Ft)	=	39.09	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			469.08	1	3.14	1473	.0043	6.3		19.0	19
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
PAH	UST HPFFC-MW60	2-1Liter Amber	4°C

COMMENTS: Clear AIR IN WATER.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC MW 61 SAMPLE NO.USTH MW 61

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/21/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 10:20
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	8.39	8.56	8.65	8.65			(STD)
Specific Conductivity	0.520	0.526	0.526	0.526			(m S/cm)
Turbidity (Turb)	0.9	0.2	0.1	0.1			(NTU)
Dissolved Oxygen (DO)	6.59	6.33	6.14	6.14			(mg/l)
Temperature (Temp)	20.24	20.26	20.29	20.30			(°C)
ORP	-40.1	-32.0	-28.8	-28.6			

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	128.40	(In)	=	1671.60	HT (in)
Depth to Bottom	150.0	(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	68
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW61	3-40ml	HCL
PAH	UST HPFFC-MW61	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

VV

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. USTHPFFC-mw62
		SAMPLE NO.USTHPFFC-mw62

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-27-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1400
PHONE: 910-451-2390	WEATHER: Sunny Clear 65°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.82	6.81	6.81	6.81			(STD)
Specific Conductivity	0.944	0.947	0.947	0.947			(m S/cm)
Turbidity (Turb)	129.2	101.9	92.6	88.3			(NTU)
Dissolved Oxygen (DO)	5.57	5.15	4.98	4.86			(mg/l)
Temperature (Temp)	20.73	20.47	20.50	20.47			(°C)
ORP	-45.3	-43.9	-43.5	-42.5			

Depth to Bottom	1200+	(In) (Minus)	Depth to Water	141.36	(In)	=	1,058.64	HT (in)
Depth to Bottom	½ 100+	(Ft) (Minus)	Depth to Water	11.78	(Ft)	=	88.22	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			1,058.64	1	3.14	3,321	.0043	14.3		42.9	45
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-mw62	3-40ml	HCL
PAH	USTHPFFC-mw62	2-1Liter Amber	4°C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]

OTHER: ☐

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFPC - MW63 ✓✓ SAMPLE NO.USTH MW 63

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/28/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 13:45
PHONE: 910-451-2390	WEATHER: Clear Cold	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.71	6.56	6.50	6.48			(STD)
Specific Conductivity	0.709	0.707	0.706	0.706			(m S/cm)
Turbidity (Turb)	12.1	8.0	5.1	5.3			(NTU)
Dissolved Oxygen (DO)	4.04	3.31	3.21	3.12			(mg/l)
Temperature (Temp)	21.79	21.83	21.83	21.83			(°C)
ORP	70.1	79.6	82.4	82.7			

Depth to Bottom	585.00	(In) (Minus)	Depth to Water	162.00	(In)	=	423.00	HT (in)
Depth to Bottom	48.75	(Ft) (Minus)	Depth to Water	13.50	(Ft)	=	35.25	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			423	1	3.14	1328	.0043	5.7		17.1	18
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFPC-MW63	3-40ml	HCL
PAH	UST HPFFPC-MW63	2-1Liter Amber	4° C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC mw65 SAMPLE NO.USTH mw65

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/20/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 14:00
PHONE: 910-451-2390	WEATHER: Clear	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.74	6.77	7.00	7.00			(STD)
Specific Conductivity	0.799	0.811	0.811	0.811			(m S/cm)
Turbidity (Turb)	2.6	4.0	3.6	3.6			(NTU)
Dissolved Oxygen (DO)	1.76	1.28	1.22	1.22			(mg/l)
Temperature (Temp)	20.70	20.64	20.65	20.65			(°C)
ORP	-115.8	-123.4	-124.5	-124.5			

Depth to Bottom	955.20	(In) (Minus)	Depth to Water	162.00	(In)	=	793.20	HT (in)
Depth to Bottom	79.60	(Ft) (Minus)	Depth to Water	13.50	(Ft)	=	66.10	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			793.20	1	3.14	2491	.0043	10.7		32.1	33
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-mw65	3-40ml	HCL
PAH	UST HPFFC-MW65	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC-MW66
SAMPLE NO.USTHPFFC-MW66

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-28-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0850
PHONE: 910-451-2390	WEATHER: Clear cool 40°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.77	6.78	6.84	6.86			(STD)
Specific Conductivity	0.114	0.113	0.113	0.111			(m S/cm)
Turbidity (Turb)	16.8	12.4	6.3	5.1			(NTU)
Dissolved Oxygen (DO)	5.32	4.73	4.54	4.42			(mg/l)
Temperature (Temp)	19.11	19.67	19.38	19.98			(°C)
ORP	-42.9	-42.9	-43.5	-44.1			

Depth to Bottom	583.56	(In) (Minus)	Depth to Water	127.44	(In)	=	456.12	HT (in)
Depth to Bottom	48.63	(Ft) (Minus)	Depth to Water	10.62	(Ft)	=	38.01	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			456.12	1	3.14	1432	.0043	6.2		18.5	19
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW66	3-40ml	HCL
PAH	UST HPFFC-MW66	2-1Liter Amber	4° C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. USTHPFFC-mw67 SAMPLE NO.USTHPFFC-mw67

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 11-2-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0850
PHONE: 910-451-2390	WEATHER: Cloudy 40°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.89	6.81	6.72				(STD)
Specific Conductivity	0.104	0.093	0.090				(m S/cm)
Turbidity (Turb)	6.4	5.4	5.4				(NTU)
Dissolved Oxygen (DO)	7.43	6.67	6.62				(mg/l)
Temperature (Temp)	21.10	21.29	21.42				(°C)
ORP	-326.8	-325.8	-329.2				

Depth to Bottom	938.40	(In) (Minus)	Depth to Water	137.88	(In)	=	800.52	HT (in)
Depth to Bottom	78.20	(Ft) (Minus)	Depth to Water	11.49	(Ft)	=	66.71	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			800.52	1	3.14	2,514	.0043	10.8	32.4	33
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-mw67	3-40ml	HCL
PAH	USTHPFFC-mw67	2-1Liter Amber	4° C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC-mw68
SAMPLE NO. USTHPFFC-mw68

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-28-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0925
PHONE: 910-451-2390	WEATHER: Clear Cool 40°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.98	5.96	5.98	5.97			(STD)
Specific Conductivity	0.393	0.398	0.397	0.396			(m S/cm)
Turbidity (Turb)	1342.3	495.2	223.2	104.6			(NTU)
Dissolved Oxygen (DO)	2.64	0.92	0.88	0.88			(mg/l)
Temperature (Temp)	19.08	20.29	20.60	20.87			(°C)
ORP	-39.3	-42.0	-41.1	-39.0			

Depth to Bottom	307.20	(In) (Minus)	Depth to Water	92.76	(In)	=	214.44	HT (in)
Depth to Bottom	25.60	(Ft) (Minus)	Depth to Water	7.73	(Ft)	=	17.87	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			214.44	1	3.14	673	.0043	2.9		8.7	9
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC- mw68	3-40ml	HCL
PAH	UST HPFFC- mw68	2-1Liter Amber	4°C

COMMENTS: muddy water first few minutes, then clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
~~OTHER: ☐~~			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. UST HPFFC mw69 ✓✓ SAMPLE NO.USTH

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10/29/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 14:15
PHONE: 910-451-2390	WEATHER: Clear Cold	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.23	6.27	6.32	6.32			(STD)
Specific Conductivity	0.712	0.709	0.707	0.706			(m S/cm)
Turbidity (Turb)	4.5	3.6	2.0	1.9			(NTU)
Dissolved Oxygen (DO)	5.64	5.60	5.53	5.53			(mg/l)
Temperature (Temp)	23.54	23.63	23.65	23.55			(°C)
ORP	71.1	69.6	69.0	69.0			

Depth to Bottom	600.36	(In) (Minus)	Depth to Water	150.72	(In)	=	449.64	HT (in)
Depth to Bottom	50.03	(Ft) (Minus)	Depth to Water	12.56	(Ft)	=	37.47	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			449.64	1	3.14	1412	.0043	6.1		18.2	19
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC- mw69	3-40ml	HCL
PAH	UST HPFFC- mw69	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
~~OTHER: ☐~~			

5E

Shaw®

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO. UST HPFFC- MW70
SAMPLE NO. USTH PFFC MW70

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-30-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0935
PHONE: 910-451-2390	WEATHER: Sunny Cool 45'	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	8.43	8.28	8.25	8.23			(STD)
Specific Conductivity	0.108	0.107	0.108	0.108			(m S/cm)
Turbidity (Turb)	-0.2	-0.8	-1.5	-1.4			(NTU)
Dissolved Oxygen (DO)	6.79	6.81	6.72	6.67			(mg/l)
Temperature (Temp)	18.26	18.35	18.40	18.54			(°C)
ORP	-40.4	-39.5	-38.3	-38.2			

Depth to Bottom	597	(In) (Minus)	Depth to Water	153.96	(In)	=	443.04	HT (in)
Depth to Bottom	49.75	(Ft) (Minus)	Depth to Water	12.83	(Ft)	=	36.92	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			443.04	1	3.14	1391	.0043	6.0		17.9	18
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC- MW70	3-40ml	HCL
PAH	UST HPFFC- MW70	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
~~OTHER: ☐~~			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. USTHPFFC-mw71
		SAMPLE NO. USTHPFFC-mw71

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-30-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0910
PHONE: 910-451-2390	WEATHER: Sunny Cool 45°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	9.61	9.81	9.84	9.88			(STD)
Specific Conductivity	0.151	0.143	0.149	0.149			(m S/cm)
Turbidity (Turb)	6.6	3.8	3.5	2.5			(NTU)
Dissolved Oxygen (DO)	6.20	6.37	6.45	6.37			(mg/l)
Temperature (Temp)	17.79	18.12	18.14	18.36			(°C)
ORP	-161.4	-59.7	-59.7	-59.5			

Depth to Bottom	443.32	(In) (Minus)	Depth to Water	168.12	(In)	=	775.20	HT (in)
Depth to Bottom	78.61	(Ft) (Minus)	Depth to Water	14.01	(Ft)	=	64.6	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			775.20	1	3.14	2434	.0043	10.5		31.4	32
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-mw71	3-40ml	HCL
PAH	USTHPFFC-mw71	2-1Liter Amber	4°C

COMMENTS: Clear

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO. UST HPFF-MW72	
SAMPLE NO. USTHPFF-MW72	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Sunny Clear 55°
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer / ☐ No

DATE 10-29-08

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
PAH	UST	2-1Liter Amber	4^0 C

COMMENTS: Product in Well 10.33 / 10.65 9.07'

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

5E

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO. UST HPFFC-MW77
		SAMPLE NO. USTHPFFC-MW77

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-28-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1255
PHONE: 910-451-2390	WEATHER: Sunny Cool 50°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.68	5.99	5.63	5.45			(STD)
Specific Conductivity	0.116	0.114	0.114	0.113			(m S/cm)
Turbidity (Turb)	11.3	8.4	11.1	5.5			(NTU)
Dissolved Oxygen (DO)	1.64	1.41	1.28	1.24			(mg/l)
Temperature (Temp)	19.83	19.81	19.74	19.61			(°C)
ORP	-25.3	-12.9	-4.1	~0.8			

Depth to Bottom	586.76	(In) (Minus)	Depth to Water	150.60	(In)	=	446.16	HT (in)
Depth to Bottom	49.23	(Ft) (Minus)	Depth to Water	12.55	(Ft)	=	37.18	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			446.16	1	3.14	1401	.0043	6.0		18.1	19
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW77	3-40ml	HCL
PAH	UST HPFFC-MW77	2-1Liter Amber	4° C

COMMENTS: Bubbles in purge Water

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

SE

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709 PROJECT NAME: HPFF WELL NO. USTHPFFC-~~MW~~MW78 SAMPLE NO.USTHPFFC-MW78

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin	DATE 10-20-08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1405
PHONE: 910-451-2390	WEATHER: Sunny Clear 60°	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.21	6.35	6.39	6.39			(STD)
Specific Conductivity	0.697	0.748	0.773	0.791			(m S/cm)
Turbidity (Turb)	~1.4	~1.7	~1.3	1.0			(NTU)
Dissolved Oxygen (DO)	3.15	1.57	1.51	1.44			(mg/l)
Temperature (Temp)	19.66	19.60	19.51	19.50			(°C)
ORP	-5.0	-9.1	-9.9	-~~8~~2.2			

Depth to Bottom	1908.00	(In) (Minus)	Depth to Water	146.40	(In)	=	1761.60	HT (in)
Depth to Bottom	159.00	(Ft) (Minus)	Depth to Water	12.20	(Ft)	=	146.80	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			1761.60	1	3.14	5531	.0043	23.8		71.4	
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW78	3-40ml	HCL
PAH	UST HPFFC-MW78	2-1Liter Amber	4° C

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Project 125709 Water Levels AS of 3/10/09 Camp Lejeune, NC HPFF

Well Number	DTW
USTHPFF-MW17	12.55
USTHPFF-MW02	12.90
USTHPFFC-MW20	9.40
UST1115GT-MW03	4.14
USTHPFFC-MW28	7.63
USTHPFFC-MW19	6.83
USTHPFF-MW15	9.91
IR78-GW22-1	13.39
USTHPFFC-MW29	7.59
USTHPFFC-MW08	18.09
UST1115-MW07	8.00
UST1115-MW20	9.72
USTHPFF-MW10R	14.15
UST1115GT-MW04	6.30
USTHPFFC-MW41	9.82
UST1115GT-MW06	4.79
USTHPFF-MWA	7.06
USTHPFF-MW12	6.18
USTHPFFC-MW47	10.84
UST1115-MW14	11.83
USTHPFF-RW01	3.14
USTHPFFC-MW60	9.80
USTHPFFC-MW22	5.43
USTHPFFC-MW30	8.60
UST1115-MW12	4.78
USTHPFFC-MW45	10.96
USTHPFF-RW04	6.35
UST1115-MW17	10.86
USTHPFFC-MW17	8.36
USTHPFFC-MW14	6.04
UST1115-MW22	12.87
USTHPFFC-MW24	12.14
USTHPFFC-MW13	11.44
USTPFF-MW06	9.50
USTHPFFC-MW42	7.71
UST1115-MW09	9.43
IR78-GW22-2	8.22
IR78-GW32-02	10.55
USTHPFFC-MW16	7.71
USTHPFFC-MW12	11.50

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO.: ~~UST~~ IR78-GW22-1
SAMPLE NO.: ~~UST~~ IR78-GW22-1

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/18/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1030
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 60 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.38	6.62	6.44	6.17			(STD)
Specific Conductivity	0.088	0.091	0.089	0.084			(m S/cm)
Turbidity (Turb)	10.6	5.1	4.5	4.7			(NTU)
Dissolved Oxygen (DO)	4.47	3.96	3.11	2.47			(mg/l)
Temperature (Temp)	16.90	19.17	19.32	19.48			(°C)
ORP	-51.5	46.8	14.2	-10.5			

Depth to Bottom	300.00	(In) (Minus)	Depth to Water	160.68	(In)	=	139.32	HT (in)
Depth to Bottom	25.00	(Ft) (Minus)	Depth to Water	13.39	(Ft)	=	11.61	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			139.32	1	3.14	437	.0043	1.9		5.6	6.
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW22-1	3-40ml	HCL, 4°C
PAH	~~UST~~ IR78-GW22-1	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☐ Yes ☒ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO.: ~~IR78~~-GW22-2
SAMPLE NO.: ~~IR78~~-GW22-2

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/10/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1545
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 60°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.12	6.06	5.89	5.86			(STD)
Specific Conductivity	0.415	0.404	0.395	0.390			(m S/cm)
Turbidity (Turb)	75.9	7.2	12.9	7.8			(NTU)
Dissolved Oxygen (DO)	0.40	0.37	0.39	0.39			(mg/l)
Temperature (Temp)	16.34	16.33	16.48	16.25			(°C)
ORP	-44.9	-46.0	-39.8	-38.1			

Depth to Bottom	270.84	(In) (Minus)	Depth to Water	98.64	(In)	=	172.20	HT (in)
Depth to Bottom	22.57	(Ft) (Minus)	Depth to Water	8.22	(Ft)	=	14.35	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			172.20	1	3.14	541	.0043	2.3		7.0	7.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~IR78~~-GW22-2	3-40ml	HCL, 4°C
PAH	~~IR78~~-GW22-2	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☐ Yes ☒ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO.: ~~UST~~ IR78-GW32-2
SAMPLE NO.: ~~UST~~ IR78-GW32-2

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: 03/13/09 (month/day/year)
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: 1145 (military time)
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 45°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	7.07	7.27	7.35	7.36			(STD)
Specific Conductivity	0.360	0.360	0.360	0.361			(m S/cm)
Turbidity (Turb)	36.4	16.4	5.9	4.2			(NTU)
Dissolved Oxygen (DO)	0.22	0.24	0.26	0.24			(mg/l)
Temperature (Temp)	18.42	18.90	18.94	18.93			(°C)
ORP	-62.7	-68.3	-54.7	-50.9			

Depth to Bottom	996.84	(In) (Minus)	Depth to Water	126.60	(In)	=	870.24	HT (in)
Depth to Bottom	83.07	(Ft) (Minus)	Depth to Water	10.55	(Ft)	=	72.52	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness HT (ft)

d = 4
r = 2
d/2 = 2

MEASUREMENTS (IN INCHES)
Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			870.24	1	3.14	996.84	.0043	47.0	140	145.0
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	~~UST~~ IR78-GW32-2	3-40ml	HCL, 4°C
PAH	~~UST~~ IR78-GW32-2	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW03
		SAMPLE NO.: UST 1115GT-MW03

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/11/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1130
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 60°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.92						(STD)
Specific Conductivity	0.985						(m S/cm)
Turbidity (Turb)	112.7						(NTU)
Dissolved Oxygen (DO)	3.56						(mg/l)
Temperature (Temp)	19.16						(°C)
ORP	62.8						

Depth to Bottom	213.72	(In) (Minus)	Depth to Water	49.68	(In)	=	164.04	HT (in)
Depth to Bottom	17.81	(Ft) (Minus)	Depth to Water	4.14	(Ft)	=	13.67	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			164.04	1	3.14	515	.0043	2.2		6.6	3.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115 GT-MW03	3-40ml	HCL, 4°C
PAH	UST 1115 GT-MW03	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☒ Yes ☐ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Black and Red

Color of Water: ☐ Clear ☐ Cloudy ☒ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☒ No

Odor? ☒ Yes ☐ No If yes, describe: Strong Gasoline and Sewage

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW04
		SAMPLE NO.: UST 1115GT-MW04

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/11/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1050
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 60°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.37	6.43	6.42	6.40			(STD)
Specific Conductivity	0.554	0.537	0.517	0.493			(m S/cm)
Turbidity (Turb)	22.1	24.7	8.0	7.7			(NTU)
Dissolved Oxygen (DO)	2.68	0.42	0.32	0.30			(mg/l)
Temperature (Temp)	19.85	20.83	20.88	20.76			(°C)
ORP	-82.1	-110.5	-106.8	-96.3			

Depth to Bottom	224.52	(In) (Minus)	Depth to Water	75.60	(In)	=	148.92	HT (in)
Depth to Bottom	18.71	(Ft) (Minus)	Depth to Water	6.30	(Ft)	=	12.41	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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	6.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115GT-MW04	3-40ml	HCL, 4°C
PAH	UST 1115GT-MW04	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Black and Red

Color of Water: ☐ Clear ☒ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☒ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO.: UST 1115 GT-MW06
SAMPLE NO.: UST 1115 GT-MW06

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: 03/11/09 (month/day/year)
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: 0900 (military time)
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 60 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.27	6.14	6.11	6.09			(STD)
Specific Conductivity	0.267	0.231	0.222	0.219			(m S/cm)
Turbidity (Turb)	106.9	506.5	651.8	596.0			(NTU)
Dissolved Oxygen (DO)	0.25	0.23	0.24	0.28			(mg/l)
Temperature (Temp)	18.40	18.71	19.15	19.37			(°C)
ORP	-92.2	-84.2	-81.9	-83.9			

Depth to Bottom	171.72	(In) (Minus)	Depth to Water	57.48	(In)	=	114.24	HT (in)
Depth to Bottom	14.31	(Ft) (Minus)	Depth to Water	4.79	(Ft)	=	9.52	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			114.24	1	3.14	359	.0043	1.5		4.6	5.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115 GT-MW06	3-40ml	HCL, 4°C
PAH	UST 1115 GT-MW06	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Black

Color of Water: ☐ Clear ☒ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Strong Oily, Gasoline, Sewage

Duplicate in Sample taken? ☐ Yes ☒ No

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.: UST 1115-MW07

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/12/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1000
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 50 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	5.98	5.77	5.78	5.78			(STD)
Specific Conductivity	0.272	0.285	0.294	0.298			(m S/cm)
Turbidity (Turb)	5.8	1.2	0.1	0.0			(NTU)
Dissolved Oxygen (DO)	0.29	0.13	0.13	0.16			(mg/l)
Temperature (Temp)	18.78	18.33	18.29	18.22			(°C)
ORP	-67.0	-113.4	-127.3	-142.8			

Depth to Bottom	243.96	(In) (Minus)	Depth to Water	96.00	(In)	=	147.96	HT (in)
Depth to Bottom	20.33	(Ft) (Minus)	Depth to Water	8.00	(Ft)	=	12.33	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			147.96	1	3.14	465	.0043	2.0		6.0	6.0
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, 4°C
PAH	UST 1115-MW07	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Oily, Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

Shaw®

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO.: UST 115-MW09	
SAMPLE NO.: UST115-MW09	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 60 °F
LEL:	Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer

DATE: 03/11/09 (month/day/year)

TIME: 1230 (military time)

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.46	5.77	5.60	5.48			(STD)
Specific Conductivity	0.231	0.220	0.211	0.200			(m S/cm)
Turbidity (Turb)	3.1	1.4	1.7	3.3			(NTU)
Dissolved Oxygen (DO)	0.44	0.21	0.19	0.17			(mg/l)
Temperature (Temp)	17.33	16.60	16.80	16.98			(°C)
ORP	42.9	27.0	15.9	27.1			

Depth to Bottom	259.64	(In) (Minus)	Depth to Water	113.16	(In)	=	141.48	HT (in)
Depth to Bottom	21.22	(Ft) (Minus)	Depth to Water	9.43	(Ft)	=	11.79	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			141.48	1	3.14	444	.0043	1.9		5.7	6.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 115-MW09	3-40ml	HCL, 4°C
PAH	UST 115-MW09	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ~~Yes~~ ☐ No

Odor? ☒ Yes ☐ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW12		
SAMPLE NO.: UST 1115-MW12		
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: 03/11/09 (month/day/year)
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: 1000 (military time)
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 60 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	5.50	5.10	5.09	4.79			(STD)
Specific Conductivity	0.189	0.189	0.224	0.234			(m S/cm)
Turbidity (Turb)	201.5	96.2	55.7	72.8			(NTU)
Dissolved Oxygen (DO)	0.80	0.82	2.40	1.16			(mg/l)
Temperature (Temp)	20.47	20.42	20.43	20.60			(°C)
ORP	-17.8	-0.6	-15.6	-17.3			

Depth to Bottom	181.20	(In) (Minus)	Depth to Water	57.36	(In)	=	123.84	HT (in)
Depth to Bottom	15.10	(Ft) (Minus)	Depth to Water	4.78	(Ft)	=	10.32	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			123.84	1	3.14	389	.0043	1.7		5.0	5.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW12	3-40ml	HCL, 4°C
PAH	UST 1115-MW12	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Black

Color of Water: ☐ Clear ☒ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☒ No Cleared a little

Odor? ☒ Yes ☐ No If yes, describe: Strong Oil, Gasoline, Sewage

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW14	
SAMPLE NO.: UST 1115-MW14	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 60°F
LEL:	Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer

DATE: 03/10/09 (month/day/year)

TIME: 1630 (military time)

FIELD MEASUREMENTS

	1	2	3	4			
pH	3.05	3.49	3.63	3.63			(STD)
Specific Conductivity	0.851	0.793	0.807	0.814			(m S/cm)
Turbidity (Turb)	0.8	7.4	4.2	-0.1			(NTU)
Dissolved Oxygen (DO)	0.48	0.34	0.35	0.36			(mg/l)
Temperature (Temp)	22.67	22.89	22.70	22.91			(°C)
ORP	419.1	312.4	265.5	256.8			

Depth to Bottom	625.20	(In) (Minus)	Depth to Water	141.96	(In)	=	483.24	HT (in)
Depth to Bottom	52.10	(Ft) (Minus)	Depth to Water	11.83	(Ft)	=	40.27	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			483.24	1	3.14	1517	.0043	6.5		19.6	20.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW14	3-40ml	HCL, 4°C
PAH	UST 1115-MW14	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☐ Yes ☒ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

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.: UST 1115-MW17

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: 03/10/09 (month/day/year)
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: 1300 (military time)
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 60 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	4.21	3.99	3.96	3.95			(STD)
Specific Conductivity	2.365	2.454	2.526	2.610			(m S/cm)
Turbidity (Turb)	12.1	19.5	17.8	17.1			(NTU)
Dissolved Oxygen (DO)	0.66	0.49	0.42	0.41			(mg/l)
Temperature (Temp)	19.77	19.73	19.66	19.66			(°C)
ORP	162.9	157.7	156.1	155.0			

Depth to Bottom	606.48	(In) (Minus)	Depth to Water	130.32	(In)	=	476.16	HT (in)
Depth to Bottom	50.54	(Ft) (Minus)	Depth to Water	10.86	(Ft)	=	39.68	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			476.16	1	3.14	1495	.0043	6.4		19.3	20.0
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, 4°C
PAH	UST 1115-MW17	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☐ Yes ☒ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO.: UST 1115-MW20	
SAMPLE NO.: UST 1115-MW20	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 65 °F
LEL:	Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer

DATE: (month/day/year) 03/11/09

TIME: (military time) 1515

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.36	6.17	6.09	6.17			(STD)
Specific Conductivity	0.350	0.381	0.392	0.391			(m S/cm)
Turbidity (Turb)	48.4	65.1	49.0	45.4			(NTU)
Dissolved Oxygen (DO)	0.48	0.20	0.22	0.21			(mg/l)
Temperature (Temp)	22.17	21.82	21.82	21.92			(°C)
ORP	11.3	-81.1	-98.9	-113.7			

Depth to Bottom	587.04	(In) (Minus)	Depth to Water	116.64	(In)	=	470.40	HT (in)
Depth to Bottom	48.92	(Ft) (Minus)	Depth to Water	9.72	(Ft)	=	39.20	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			470.40	1	3.14	1477	.0043	6.4		19.1	20.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST 1115-MW20	3-40ml	HCL, 4°C
PAH	UST 1115-MW20	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe:_____

Duplicate in Sample taken? ☒ Yes ☐ No

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.: UST1115-MW22

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/10/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1230
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 60°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.57	6.44	6.44	6.50			(STD)
Specific Conductivity	0.846	0.848	0.848	0.849			(m S/cm)
Turbidity (Turb)	4.1	10.1	13.9	7.6			(NTU)
Dissolved Oxygen (DO)	0.37	0.29	0.32	0.37			(mg/l)
Temperature (Temp)	19.72	19.65	19.73	19.87			(°C)
ORP	-35.8	-37.6	-40.3	-45.3			

Depth to Bottom	945.72	(In) (Minus)	Depth to Water	154.44	(In)	=	791.28	HT (in)
Depth to Bottom	78.81	(Ft) (Minus)	Depth to Water	12.87	(Ft)	=	65.94	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			791.28	1	3.14	2485	.0043	10.7		32.1	33.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST1115-MW22	3-40ml	HCL, 4°C
PAH	UST1115-MW22	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Slight Oily, Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

Shaw®

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO.: USTHPFFC-MW08	
SAMPLE NO.: USTHPFFC-MW08	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 55°F
LEL:	Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer

DATE: (month/day/year) 03/17/09

TIME: (military time) 1500

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.67	6.86	6.87	6.87			(STD)
Specific Conductivity	0.403	0.402	0.401	0.403			(m S/cm)
Turbidity (Turb)	263.6	216.6	145.5	151.8			(NTU)
Dissolved Oxygen (DO)	0.35	0.39	0.20	0.21			(mg/l)
Temperature (Temp)	20.01	20.03	19.99	20.10			(°C)
ORP	-115.9	-158.4	-159.3	-160.3			

Depth to Bottom	612.72	(In) (Minus)	Depth to Water	217.08	(In)	=	395.64	HT (in)
Depth to Bottom	51.06	(Ft) (Minus)	Depth to Water	18.09	(Ft)	=	32.97	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			395.64	1	3.14	1242	.0043	5.3		16.0	16
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW08	3-40ml	HCL, 4°C
PAH	USTHPFFC-MW08	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Many Bubbles Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☐ Yes ☒ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

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.: UST HPFFC-MW12

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/17/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1120
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 50 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.54	7.33	7.35	7.32			(STD)
Specific Conductivity	0.303	0.372	0.413	0.443			(m S/cm)
Turbidity (Turb)	27.4	9.0	7.0	5.7			(NTU)
Dissolved Oxygen (DO)	0.52	0.33	0.21	0.21			(mg/l)
Temperature (Temp)	18.23	19.55	19.49	19.30			(°C)
ORP	-1.7	-138.7	-148.0	-140.6			

Depth to Bottom	1800.00	(In) (Minus)	Depth to Water	138.00	(In)	=	1662.00	HT (in)
Depth to Bottom	150.00 1420.00	(Ft) (Minus)	Depth to Water	11.50	(Ft)	=	138.5	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			1662.00	1	3.14	5219	.0043	22.4		67.3	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, 4°C
PAH	UST HPFFC-MW12	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☒ Yes ☐ No

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-MW13		
SAMPLE NO.: UST HPFFC-MW13		
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/10/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1400
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow	Temperature: 60°F
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.63	6.90	6.70	6.62			(STD)
Specific Conductivity	0.397	0.503	0.657	0.678			(m S/cm)
Turbidity (Turb)	0.7	5.4	10.8	13.5			(NTU)
Dissolved Oxygen (DO)	2.82	2.62	2.24	1.73			(mg/l)
Temperature (Temp)	21.52	21.96	21.98	21.75			(°C)
ORP	-17.8	18.6	47.4	56.7			

Depth to Bottom	1320.00	(In) (Minus)	Depth to Water	137.28	(In)	=	1182.72	HT (in)
Depth to Bottom	110.00	(Ft) (Minus)	Depth to Water	11.44	(Ft)	=	98.56	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			1182.72	1	3.14	3714	.0043	16.0		47.9	50.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW13	3-40ml	HCL, 4°C
PAH	UST HPFFC-MW13	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☐ Yes ☒ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW14
		SAMPLE NO.: UST HPFFC-MW14

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/12/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1200
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 50 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.51	6.10	5.94	5.83			(STD)
Specific Conductivity	0.159	0.149	0.148	0.149			(m S/cm)
Turbidity (Turb)	4.8	3.1	4.2	12.6			(NTU)
Dissolved Oxygen (DO)	0.30	0.20	0.20	0.18			(mg/l)
Temperature (Temp)	16.36	15.43	15.40	15.78			(°C)
ORP	-99.6	-80.4	-79.3	-87.2			

Depth to Bottom	183.00	(In) (Minus)	Depth to Water	72.48	(In)	=	110.52	HT (in)
Depth to Bottom	15.25	(Ft) (Minus)	Depth to Water	6.04	(Ft)	=	9.21	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			110.52	1	3.14	347	.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	UST HPFFC-MW14	3-40ml	HCL, 4°C
PAH	UST HPFFC-MW14	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☐ Yes ☒ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

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-mw16
		SAMPLE NO.: USTHPFFC-mw16

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/11/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1330
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 65 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.51	6.34	6.15	6.11			(STD)
Specific Conductivity	0.617	0.572	0.469	0.460			(m S/cm)
Turbidity (Turb)	11.7	121.1	97.4	81.0			(NTU)
Dissolved Oxygen (DO)	0.24	0.23	0.23	0.22			(mg/l)
Temperature (Temp)	17.48	17.35	17.57	17.52			(°C)
ORP	-65.2	-64.9	-49.9	-47.7			

Depth to Bottom	168.00	(In) (Minus)	Depth to Water	92.52	(In)	=	75.48	HT (in)
Depth to Bottom	14.00	(Ft) (Minus)	Depth to Water	7.71	(Ft)	=	6.29	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			75.48	1	3.14	237	.0043	1.0		3.1	3.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-mw16	3-40ml	HCL, 4°C
PAH	USTHPFFC-mw16	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Black

Color of Water: ☐ Clear ☒ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☒ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW17
		SAMPLE NO.: UST HPFFC-MW17

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/12/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1045
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 50°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.43	6.49	6.58	6.59			(STD)
Specific Conductivity	0.448	0.446	0.425	0.402			(m S/cm)
Turbidity (Turb)	1.5	2.0	2.2	1.6			(NTU)
Dissolved Oxygen (DO)	0.39	0.29	0.30	0.28			(mg/l)
Temperature (Temp)	20.67	21.06	21.52	21.50			(°C)
ORP	-48.8	-52.1	-54.3	-51.8			

Depth to Bottom	166.20	(In) (Minus)	Depth to Water	100.32	(In)	=	65.88	HT (in)
Depth to Bottom	13.85	(Ft) (Minus)	Depth to Water	8.36	(Ft)	=	5.49	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			65.88	1	3.14	207	.0043	0.9		2.7	3.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW17	3-40ml	HCL, 4°C
PAH	UST HPFFC-MW17	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: oily Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW19
SAMPLE NO.: UST HPFFC-MW19

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/13/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1030
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 45°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.26	6.19	6.09	6.00			(STD)
Specific Conductivity	0.395	0.400	0.480	0.517			(m S/cm)
Turbidity (Turb)	21.4	9.4	10.2	8.3			(NTU)
Dissolved Oxygen (DO)	0.51	0.34	1.01	3.79			(mg/l)
Temperature (Temp)	14.92	15.01	15.31	15.09			(°C)
ORP	-133.1	-145.4	-149.6	-139.6			

Depth to Bottom	182.52	(In) (Minus)	Depth to Water	81.96	(In)	=	100.56	HT (in)
Depth to Bottom	15.21	(Ft) (Minus)	Depth to Water	6.83	(Ft)	=	8.38	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			100.54	1	3.14	316	.0043	1.4		4.1	4.5
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, 4°C
PAH	UST HPFFC-MW19	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Black

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other _____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW20	
SAMPLE NO.: UST HPFFC-MW20	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 60 °F
LEL:	Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer

DATE: (month/day/year) 03/19/09

TIME: (military time) 1100

FIELD MEASUREMENTS

	1	2	3	4			
pH	5.80	5.76	5.76	5.76			(STD)
Specific Conductivity	0.146	0.143	0.151	0.166			(m S/cm)
Turbidity (Turb)	35.6	22.5	18.7	19.3			(NTU)
Dissolved Oxygen (DO)	1.32	0.28	0.21	0.22			(mg/l)
Temperature (Temp)	16.72	16.18	15.98	15.93			(°C)
ORP	12.2	-9.1	-24.1	-31.0			

Depth to Bottom	170.40	(In) (Minus)	Depth to Water	113.16	(In)	=	57.24	HT (in)
Depth to Bottom	14.20	(Ft) (Minus)	Depth to Water	9.43	(Ft)	=	4.77	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			57.24	1	3.14	180	.0043	0.8		2.3	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW20	3-40ml	HCL, 4°C
PAH	UST HPFFC-MW20	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw®	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: HPFF
		WELL NO.: USTHPFFC-MW22
		SAMPLE NO.: USTHPFFC-MW22

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/12/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1245
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 50°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.65	6.42	6.34	6.32			(STD)
Specific Conductivity	0.200	0.199	0.198	0.192			(m S/cm)
Turbidity (Turb)	23.2	7.0	2.5	2.8			(NTU)
Dissolved Oxygen (DO)	0.32	0.25	0.21	0.20			(mg/l)
Temperature (Temp)	15.94	15.37	15.52	15.62			(°C)
ORP	-35.6	-80.0	-100.3	-113.9			

Depth to Bottom	160.20	(In) (Minus)	Depth to Water	65.16	(In)	=	95.04	HT (in)
Depth to Bottom	13.35	(Ft) (Minus)	Depth to Water	5.43	(Ft)	=	7.92	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			95.04	1	3.14	298	.0043	1.3		3.8	4.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW22	3-40ml	HCL, 4°C
PAH	USTHPFFC-MW22	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW24
		SAMPLE NO.: USTHPFFC-MW24

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 3/17/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 0920
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 50°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.39						(STD)
Specific Conductivity	0.330						(m S/cm)
Turbidity (Turb)	27.2						(NTU)
Dissolved Oxygen (DO)	2.10						(mg/l)
Temperature (Temp)	21.57						(°C)
ORP	-64.7						

Depth to Bottom	178.68	(In) (Minus)	Depth to Water	145.68	(In)	=	33.00	HT (in)
Depth to Bottom	14.89	(Ft) (Minus)	Depth to Water	12.14	(Ft)	=	2.75	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			33.00	1	3.14	104	.0043	0.4		1.3	.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST	3-40ml	HCL, 4°C
PAH	UST	2-1Liter Amber	4°C

COMMENTS: Purged Dry 1X VOC.

Well went dry during purging, and did not recharge? ☒ Yes ☐ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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 - MW28
		SAMPLE NO.: UST HPFFC - MW28

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: 03/12/09 (month/day/year)
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: 1315 (military time)
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 55°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.70	6.55	6.37	6.24			(STD)
Specific Conductivity	0.224	0.206	0.169	0.150			(m S/cm)
Turbidity (Turb)	36.5	10.6	53.6	61.1			(NTU)
Dissolved Oxygen (DO)	0.36	0.25	0.22	0.23			(mg/l)
Temperature (Temp)	19.73	19.53	19.55	19.69			(°C)
ORP	-99.8	-102.5	-102.0	-99.5			

Depth to Bottom	157.80	(In) (Minus)	Depth to Water	91.56	(In)	=	66.24	HT (in)
Depth to Bottom	13.15	(Ft) (Minus)	Depth to Water	7.63	(Ft)	=	5.52	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			66.24	1	3.14	208	.0043	0.9		2.7	3.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC - MW28	3-40ml	HCL, 4°C
PAH	UST HPFFC - MW28	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Black

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline / Sewage

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW29
		SAMPLE NO.: UST HPFFC-MW29

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/12/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1400
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 55°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.57	6.57	6.55	6.65			(STD)
Specific Conductivity	0.788	0.785	0.794	0.815			(m S/cm)
Turbidity (Turb)	16.6	10.8	12.9	49.1			(NTU)
Dissolved Oxygen (DO)	0.46	0.31	0.30	0.30			(mg/l)
Temperature (Temp)	15.97	15.68	15.94	16.28			(°C)
ORP	-29.1	-36.6	-44.3	-55.8			

Depth to Bottom	167.90	(In) (Minus)	Depth to Water	91.08	(In)	=	76.32	HT (in)
Depth to Bottom	13.95	(Ft) (Minus)	Depth to Water	7.59	(Ft)	=	6.36	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			76.32	1	3.14	240	.0043	1.0		3.1	3.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW29	3-40ml	HCL, 4°C
PAH	UST HPFFC-MW29	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Black and Red

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: HPFF
WELL NO.: USTHPFFC-MW30
SAMPLE NO.: USTHPFFC-MW30

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/13/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1230
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 45°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.52	6.41	6.41	6.42			(STD)
Specific Conductivity	0.571	0.573	0.585	0.614			(m S/cm)
Turbidity (Turb)	3.7	2.5	0.9	0.9			(NTU)
Dissolved Oxygen (DO)	0.45	0.40	0.41	0.44			(mg/l)
Temperature (Temp)	17.02	17.24	17.53	17.74			(°C)
ORP	-79.1	-90.9	-92.0	-92.3			

Depth to Bottom	143.40	(In) (Minus)	Depth to Water	79.20	(In)	=	64.20	HT (in)
Depth to Bottom	11.95	(Ft) (Minus)	Depth to Water	6.60	(Ft)	=	5.35	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			64.20	1	3.14	202	.0043	0.9	2.6	3.0
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFFC-MW30	3-40ml	HCL, 4°C
PAH	USTHPFFC-MW30	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other _____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW41
		SAMPLE NO.: UST HPFFC-MW41

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: 03/19/09 (month/day/year)
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: 1145 (military time)
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow	Temperature: 65 °F
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	5.69	5.67	5.77	5.79			(STD)
Specific Conductivity	0.208	0.24	0.28	0.219			(m S/cm)
Turbidity (Turb)	108.9	156.5	186.0	100.7			(NTU)
Dissolved Oxygen (DO)	2.83	1.45	1.41	1.39			(mg/l)
Temperature (Temp)	21.05	20.42	20.54	20.58			(°C)
ORP	91.4	65.1	23.5	6.3			

Depth to Bottom	165.60	(In) (Minus)	Depth to Water	117.84	(In)	=	47.76	HT (in)
Depth to Bottom	13.80	(Ft) (Minus)	Depth to Water	9.82	(Ft)	=	3.98	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			47.76	1	3.14	150	.0043	0.6		1.9	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW41	3-40ml	HCL, 4°C
PAH	UST HPFFC-MW41	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Red

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☐ Yes ☒ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW42 SAMPLE NO.: UST HPFFC-MW42

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: 03/13/09 (month/day/year)
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: 1445 (military time)
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 45 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.54	6.24	5.94	5.93			(STD)
Specific Conductivity	0.572	0.503	0.327	0.314			(m S/cm)
Turbidity (Turb)	48.6	27.6	50.3	46.3			(NTU)
Dissolved Oxygen (DO)	3.25	2.44	5.52	5.89			(mg/l)
Temperature (Temp)	15.97	15.95	16.27	16.30			(°C)
ORP	-29.1	-75.2	-78.6	-78.3			

Depth to Bottom	171.72	(In) (Minus)	Depth to Water	92.52	(In)	=	79.20	HT (in)
Depth to Bottom	14.31	(Ft) (Minus)	Depth to Water	7.71	(Ft)	=	6.60	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			79.20	1	3.14	249	.0043	1.1		3.2	4.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW42	3-40ml	HCL, 4°C
PAH	UST HPFFC-MW42	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW45 SAMPLE NO.: UST HPFFC-MW45

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/10/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1020
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 55 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	7.41	7.32	7.29	7.22			(STD)
Specific Conductivity	0.669	0.679	0.685	0.688			(m S/cm)
Turbidity (Turb)	24.0	18.5	13.9	12.5			(NTU)
Dissolved Oxygen (DO)	0.90	0.42	0.33	0.40			(mg/l)
Temperature (Temp)	18.78	19.38	19.32	19.43			(°C)
ORP	-2.4	-100.4	-106.2	-105.2			

Depth to Bottom	950.76	(In) (Minus)	Depth to Water	131.52	(In)	=	819.24	HT (in)
Depth to Bottom	79.23	(Ft) (Minus)	Depth to Water	10.96	(Ft)	=	68.27	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			819.24	1	3.14	2572	.0043	11.1		33.2	35.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFFC-MW45	3-40ml	HCL, 4°C
PAH	UST HPFFC-MW45	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☐ Yes ☒ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

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 HPFFC-MW47

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/10/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1120
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 60 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.98	6.94	6.95	6.95			(STD)
Specific Conductivity	0.573	0.583	0.585	0.588			(m S/cm)
Turbidity (Turb)	33.7	62.1	89.9	109.9			(NTU)
Dissolved Oxygen (DO)	0.20	0.16	0.18	0.17			(mg/l)
Temperature (Temp)	19.58	19.55	19.58	19.60			(°C)
ORP	-30.7	-56.8	-60.3	-65.3			

Depth to Bottom	602.76	(In) (Minus)	Depth to Water	130.08	(In)	=	472.68	HT (in)
Depth to Bottom	50.23	(Ft) (Minus)	Depth to Water	10.84	(Ft)	=	39.39	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			472.68	1	3.14	1484	.0043	6.4		19.1	20.0
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, 4°C
PAH	UST HPFFC-MW47	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Oily, Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

WELL OR GROUND WATER DATA SHEET

Shaw®

PROJECT NUMBER: 125709	
PROJECT NAME: HPFF	
WELL NO.: UST#PFFC-MW60	
SAMPLE NO.: UST#PFFC-MW60	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 50°F
LEL:	Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer

DATE: (month/day/year) 03/12/09

TIME: (military time) 1130

FIELD MEASUREMENTS

	1	2	3	4			
pH	7.02	7.00	7.00	7.01			(STD)
Specific Conductivity	0.560	0.564	0.565	0.565			(m S/cm)
Turbidity (Turb)	76.1	71.6	91.3	54.8			(NTU)
Dissolved Oxygen (DO)	0.41	0.22	0.16	0.23			(mg/l)
Temperature (Temp)	19.67	19.93	19.87	19.90			(°C)
ORP	-17.0	-22.9	-27.6	-30.0			

Depth to Bottom	597.00	(In) (Minus)	Depth to Water	117.60	(In)	=	479.40	HT (in)
Depth to Bottom	49.75	(Ft) (Minus)	Depth to Water	9.80	(Ft)	=	39.95	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			479.40	1	3.14	1505	.0043	6.5	19.4	20.0
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST#PFFC-MW60	3-40ml	HCL, 4°C
PAH	UST#PFFC-MW60	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW02	
SAMPLE NO.: UST HPFF-MW02	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 55°F
LEL:	Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer

DATE: (month/day/year) 03/19/09

TIME: (military time) 0910

FIELD MEASUREMENTS

	1	2	3	4			
pH	5.74	5.69	5.68				(STD)
Specific Conductivity	0.168	0.173	0.179				(m S/cm)
Turbidity (Turb)	17.8	17.4	28.6				(NTU)
Dissolved Oxygen (DO)	0.43	0.32	0.41				(mg/l)
Temperature (Temp)	16.49	16.40	16.51				(°C)
ORP	63.2	46.0	28.3				

Depth to Bottom	196.20	(In) (Minus)	Depth to Water	154.52	(In)	=	41.28	HT (in)
Depth to Bottom	16.35	(Ft) (Minus)	Depth to Water	12.91	(Ft)	=	3.44	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			41.28	1	3.14	130	.0043	0.6		1.7	1.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW02	3-40ml	HCL, 4°C
PAH	UST HPFF-MW02	2-1Liter Amber	4°C

COMMENTS: Purged Dry 3x vol.

Well went dry during purging, and did not recharge? ☒ Yes ☐ No 2 x Volume

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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.: UST HPFF-MW06

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/19/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: ~~0950~~ 0950 (military time)
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 60 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	5.90	5.83	5.75	5.68			(STD)
Specific Conductivity	0.325	0.304	0.297	0.293			(m S/cm)
Turbidity (Turb)	7.0	1.2	1.4	0.6			(NTU)
Dissolved Oxygen (DO)	0.67	0.41	0.37	0.39			(mg/l)
Temperature (Temp)	15.22	14.61	14.59	14.65			(°C)
ORP	-32.4	-29.8	-26.0	-26.4			

Depth to Bottom	196.08	(In) (Minus)	Depth to Water	114.00	(In)	=	82.08	HT (in)
Depth to Bottom	16.34	(Ft) (Minus)	Depth to Water	9.50	(Ft)	=	6.84	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			82.08	1	3.14	256	.0043	1.1		3.3	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, 4°C
PAH	UST HPFF-MW06	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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.: USTHPFF-MW10R	

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/18/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1100
PHONE: 910-451-2390	WEATHER: ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 60°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.38						(STD)
Specific Conductivity	1.179						(m S/cm)
Turbidity (Turb)	6.3						(NTU)
Dissolved Oxygen (DO)	2.06						(mg/l)
Temperature (Temp)	16.28						(°C)
ORP	-68.2						

Depth to Bottom	204.72	(In) (Minus)	Depth to Water	169.80	(In)	=	34.92	HT (in)
Depth to Bottom	17.06	(Ft) (Minus)	Depth to Water	14.15	(Ft)	=	2.91	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			34.92	1	3.14	110	.0043	0.5		1.4	0.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	USTHPFF-MW10R	3-40ml	HCL, 4°C
PAH	USTHPFF-MW10R	2-1Liter Amber	4°C

COMMENTS: Purged Dry 1x VOC.

Well went dry during purging, and did not recharge? ☒ Yes ☐ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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 - MW12
		SAMPLE NO.: UST HPFF - MW12

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: 03/12/09 (month/day/year)
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: 0900 (military time)
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 50 °F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	3.43	3.38	3.39	3.40			(STD)
Specific Conductivity	0.872	0.856	0.803	0.773			(m S/cm)
Turbidity (Turb)	63.2	239.6	174.7	130.3			(NTU)
Dissolved Oxygen (DO)	10.28	8.98	8.96	8.94			(mg/l)
Temperature (Temp)	15.90	16.06	16.36	16.49			(°C)
ORP	269.6	251.6	254.4	296.7			

Depth to Bottom	277.32	(In) (Minus)	Depth to Water	74.16	(In)	=	203.16	HT (in)
Depth to Bottom	23.11	(Ft) (Minus)	Depth to Water	6.18	(Ft)	=	16.93	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			203.16	1	3.14	638	.0043	2.7		8.2	8.5
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, 4°C
PAH	UST HPFF - MW12	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Red

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Oily, Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW15
SAMPLE NO.: UST HPFF-MW15

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/13/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1400
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 45°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.16	6.08	6.05	5.98			(STD)
Specific Conductivity	0.308	0.311	0.308	0.293			(m S/cm)
Turbidity (Turb)	1.4	22.4	95.3	136.3			(NTU)
Dissolved Oxygen (DO)	1.73	1.55	1.50	1.23			(mg/l)
Temperature (Temp)	18.52	18.18	17.89	17.95			(°C)
ORP	-78.0	-104.6	-106.7	-105.6			

Depth to Bottom	271.32	(In) (Minus)	Depth to Water	118.92	(In)	=	152.40	HT (in)
Depth to Bottom	22.61	(Ft) (Minus)	Depth to Water	9.91	(Ft)	=	12.70	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			152.40	1	3.14	479	.0043	2.1		6.2	7.0
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, 4°C
PAH	UST HPFF-MW15	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-MW17 SAMPLE NO.: UST HPFF-MW17

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/17/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1410
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 55°F	
LEL:		Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.56	6.27	6.23	6.22			(STD)
Specific Conductivity	0.380	0.372	0.367	0.363			(m S/cm)
Turbidity (Turb)	8.9	1.2	1.9	1.0			(NTU)
Dissolved Oxygen (DO)	0.76	0.51	0.50	0.99			(mg/l)
Temperature (Temp)	17.52	17.56	17.46	17.37			(°C)
ORP	-63.2	-54.1	-55.2	-55.5			

Depth to Bottom	345,72	(In) (Minus)	Depth to Water	150.60	(In)	=	195,12	HT (in)
Depth to Bottom	28.81	(Ft) (Minus)	Depth to Water	12.55	(Ft)	=	16,26	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness HT (ft)

d = ~~4~~ 2 MEASUREMENTS (IN INCHES)

r = 2 1

d/2 = ~~2~~

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			195,12	1	3.14	613	.0043	2.6		7.9	8
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-MW17	3-40ml	HCL, 4°C
PAH	UST HPFF-MW17	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☐ Yes ☒ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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~~-MWA
SAMPLE NO.: UST~~HPFF~~-MWA

PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod	DATE: (month/day/year) 03/17/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod	TIME: (military time) 1020
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 50 °F	
LEL:		Well Locked: ~~☒~~ Yes ☐ No
PID:	Sampling Device: Bailer	

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.37	6.22	6.17	6.14			(STD)
Specific Conductivity	0.136	0.138	0.134	0.130			(m S/cm)
Turbidity (Turb)	8.4	7.4	4.5	7.8			(NTU)
Dissolved Oxygen (DO)	0.89	0.48	0.35	0.41			(mg/l)
Temperature (Temp)	15.65	15.45	15.91	16.50			(°C)
ORP	-10.7	-18.2	-36.1	-38.1			

Depth to Bottom	177.60	(In) (Minus)	Depth to Water	80.64	(In)	=	96.96	HT (in)
Depth to Bottom	14.80	(Ft) (Minus)	Depth to Water	6.72	(Ft)	=	8.08	HT (ft)
Product in Well? ☐ Yes ~~☒~~ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness 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			96.96	1	3.14	304	.0043	1.3		3.8	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST~~HPFF~~-MWA	3-40ml	HCL, 4°C
PAH	UST~~HPFF~~-MWA	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ~~☒~~ No

Bubbles is purge water? ~~☒~~ Yes ☐ No Organic Matter in Sample? ☐ Yes ~~☒~~ No

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe:_____

Duplicate in Sample taken? ☐ Yes ☒ No

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-RW01	
SAMPLE NO.: UST HPFF-RW01	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod
PHONE: 910-451-2390	WEATHER: ☐ Sunny ☒ Cloudy ☐ Rainy ☐ Snow Temperature: 55°F
LEL:	Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer

DATE: 03/17/09 (month/day/year)

TIME: 1320 (military time)

FIELD MEASUREMENTS

	1	2	3	4			
pH	6.78	6.73	6.73	6.72			(STD)
Specific Conductivity	0.722	0.758	0.761	0.762			(m S/cm)
Turbidity (Turb)	6.1	5.0	5.1	3.4			(NTU)
Dissolved Oxygen (DO)	0.87	0.65	0.63	0.68			(mg/l)
Temperature (Temp)	16.18	16.22	16.19	16.09			(°C)
ORP	-31.4	-46.9	-50.2	-51.2			

Depth to Bottom	326.40	(In) (Minus)	Depth to Water	37.68	(In)	=	288.72	HT (in)
Depth to Bottom	27.20	(Ft) (Minus)	Depth to Water	3.14	(Ft)	=	~~25.00~~ 24.06	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness HT (ft)

d = 6 MEASUREMENTS (IN INCHES)

r = 3 Multiply Together

d/2 = 3

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			288.72	1	3.14	~~907~~	.0043	~~3.9~~		~~114~~	~~120~~
Middle					3.14	8159	.0043	35.1		105.3	100
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-RW01	3-40ml	HCL, 4°C
PAH	UST HPFF-RW01	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No Red

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

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-RW04	
SAMPLE NO.: UST HPFF-RW04	
PROJECT LOCATION: Camp Lejeune, NC	LOGGER: Mark Martin/John MacLeod
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin/John MacLeod
PHONE: 910-451-2390	WEATHER: ☒Sunny ☐ Cloudy ☐ Rainy ☐ Snow Temperature: 70 °F
LEL:	Well Locked: ☒ Yes ☐ No
PID:	Sampling Device: Bailer

DATE: 03/19/09 (month/day/year)

TIME: 1245 (military time)

FIELD MEASUREMENTS

	1	2	3	4			
pH	5.52	5.20	5.07	4.92			(STD)
Specific Conductivity	0.353	0.353	0.354	0.356			(m S/cm)
Turbidity (Turb)	1.4	3.1	-0.3	0.6			(NTU)
Dissolved Oxygen (DO)	1.72	1.77	1.58	1.99			(mg/l)
Temperature (Temp)	18.24	17.77	18.07	17.80			(°C)
ORP	8.6	8.3	13.3	10.3			

Depth to Bottom	389.00	(In) (Minus)	Depth to Water	76.20	(In)	=	307.80	HT (in)
Depth to Bottom	32.00	(Ft) (Minus)	Depth to Water	6.35	(Ft)	=	25.65	HT (ft)
Product in Well? ☐ Yes ☒ No								
Depth to Water		(Ft) (Minus)	Depth to Product		(Ft)	=		Product Thickness HT (ft)

d = 6

r = 3

d/2 = 3

MEASUREMENTS (IN INCHES)

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			307.80	1	3.14	8698	.0043	37.4		112.2	100
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 8260	UST HPFF-RW04	3-40ml	HCL, 4°C
PAH	UST HPFF-RW04	2-1Liter Amber	4°C

COMMENTS:

Well went dry during purging, and did not recharge? ☐ Yes ☒ No

Bubbles is purge water? ☒ Yes ☐ No Organic Matter in Sample? ☒ Yes ☐ No White Flakes

Color of Water: ☒ Clear ☐ Cloudy ☐ Rusty ☐ Black ☐ Other_____ If not clear, did water change to clear prior to sampling? ☐ Yes ☐ No

Odor? ☒ Yes ☐ No If yes, describe: Gasoline

Duplicate in Sample taken? ☐ Yes ☒ No

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

APPENDIX E

LABORATORY GROUNDWATER ANALYTICAL REPORTS, MARCH 2009

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/16/09



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F63932

Sampling Dates: 03/10/09 - 03/12/09

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **145**

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.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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Sample Summary

Shaw E & I, Inc.

Job No: F63932

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F63932-1	03/10/09	10:20	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW45
F63932-2	03/10/09	11:20	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW47
F63932-3	03/10/09	12:30	MP	03/13/09	AQ	Ground Water	UST1115-MW22
F63932-4	03/10/09	13:00	MP	03/13/09	AQ	Ground Water	UST1115-MW17
F63932-5	03/10/09	14:00	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW13
F63932-6	03/10/09	15:45	MP	03/13/09	AQ	Ground Water	IR78-GW22-2
F63932-7	03/11/09	09:00	MP	03/13/09	AQ	Ground Water	UST1115GT-MW06
F63932-8	03/10/09	16:30	MP	03/13/09	AQ	Ground Water	UST1115-MW14
F63932-9	03/11/09	10:00	MP	03/13/09	AQ	Ground Water	UST1115-MW12
F63932-10	03/11/09	10:50	MP	03/13/09	AQ	Ground Water	UST1115GT-MW04
F63932-11	03/11/09	11:30	MP	03/13/09	AQ	Ground Water	UST1115GT-MW03
F63932-12	03/11/09	13:30	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW16
F63932-13	03/11/09	15:15	MP	03/13/09	AQ	Ground Water	UST1115-MW20

Sample Summary
(continued)

Shaw E & I, Inc.

Job No: F63932

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F63932-14	03/11/09	15:15	MP	03/13/09	AQ	Ground Water	UST1115-MW20D
F63932-15	03/11/09	00:00	MP	03/13/09	AQ	Trip Blank Water	USTHPFF-TB-031109
F63932-16	03/12/09	09:00	MP	03/13/09	AQ	Ground Water	USTHPFF-MW12
F63932-17	03/12/09	10:00	MP	03/13/09	AQ	Ground Water	UST1115-MW07
F63932-18	03/12/09	10:45	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW17
F63932-19	03/12/09	11:30	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW60
F63932-20	03/12/09	12:00	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW14
F63932-21	03/12/09	12:45	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW22
F63932-22	03/12/09	13:15	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW28
F63932-23	03/12/09	14:00	MP	03/13/09	AQ	Ground Water	USTHPFFC-MW29
F63932-24	03/12/09	00:00	MP	03/13/09	AQ	Trip Blank Water	USTHPFFC-TB-031209
F63932-25	03/11/09	12:30	MP	03/13/09	AQ	Ground Water	UST1115-MW09

Sample Results

Report of Analysis

Accutest LabLink@88309 12:38 16-Apr-2009

Report of Analysis

Client Sample ID:	USTHPFFC-MW45		
Lab Sample ID:	F63932-1	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033812.D	10	03/20/09	MM	n/a	n/a	VN1386
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	797	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	21.3	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	33.4	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
75-09-2	Methylene chloride [a]	17.6	50	10	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	ND	10	3.5	ug/l	
79-01-6	Trichloroethylene	56.6	10	3.2	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-MW45		
Lab Sample ID:	F63932-1	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	3.0	ug/l	
1330-20-7	Xylene (total)	ND	30	12	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	102%		76-127%
2037-26-5	Toluene-D8	95%		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

Report of Analysis

Client Sample ID:	USTHPFFC-MW45		
Lab Sample ID:	F63932-1	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048228.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		43-121%
92-94-4	p-Terphenyl	84%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-MW47		
Lab Sample ID:	F63932-2	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033842.D	20	03/23/09	MM	n/a	n/a	VN1387
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	910	20	8.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.0	ug/l	
75-25-2	Bromoform	ND	20	6.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.4	ug/l	
75-00-3	Chloroethane	ND	40	9.6	ug/l	
67-66-3	Chloroform	ND	20	5.6	ug/l	
75-15-0	Carbon disulfide	ND	40	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	4.8	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	24.7	20	6.8	ug/l	
78-87-5	1,2-Dichloropropane	10.1	20	4.2	ug/l	J
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	45.8	20	4.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	9.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	25.2	20	8.6	ug/l	
591-78-6	2-Hexanone	ND	200	100	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	40	ug/l	
74-83-9	Methyl bromide	ND	40	16	ug/l	
74-87-3	Methyl chloride	ND	40	12	ug/l	
75-09-2	Methylene chloride	40.2	100	20	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
100-42-5	Styrene	ND	20	7.2	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	5.2	ug/l	
127-18-4	Tetrachloroethylene	8.5	20	4.4	ug/l	J
108-88-3	Toluene	ND	20	7.0	ug/l	
79-01-6	Trichloroethylene	179	20	6.4	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-MW47		
Lab Sample ID:	F63932-2	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	6.0	ug/l	
1330-20-7	Xylene (total)	ND	60	23	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	100%		76-127%
2037-26-5	Toluene-D8	95%		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

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Report of Analysis

Client Sample ID:	USTHPFFC-MW47		
Lab Sample ID:	F63932-2	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048229.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		43-121%
92-94-4	p-Terphenyl	87%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: UST1115-MW22
Lab Sample ID: F63932-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/10/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033795.D	1	03/20/09	MM	n/a	n/a	VN1386
Run #2	N0033834.D	10	03/23/09	MM	n/a	n/a	VN1387

	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	314 [a]	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	4.1	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.68	1.0	0.21	ug/l	J
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW22		
Lab Sample ID:	F63932-3	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	97%	76-127%
2037-26-5	Toluene-D8	93%	94%	86-112%
460-00-4	4-Bromofluorobenzene	96%	98%	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

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Report of Analysis

Client Sample ID:	UST1115-MW22		
Lab Sample ID:	F63932-3	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048230.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	ND	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	64%		43-121%
92-94-4	p-Terphenyl	80%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-MW17		
Lab Sample ID:	F63932-4	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033796.D	1	03/20/09	MM	n/a	n/a	VN1386
Run #2	N0033837.D	10	03/23/09	MM	n/a	n/a	VN1387

	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	372 [a]	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	20.4	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	1.7	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.0	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	13.4	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	1.1	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	1.2	1.0	0.32	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-MW17		
Lab Sample ID:	F63932-4	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	18.8	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	98%	76-127%
2037-26-5	Toluene-D8	93%	94%	86-112%
460-00-4	4-Bromofluorobenzene	94%	95%	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

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Report of Analysis

Client Sample ID:	UST1115-MW17		
Lab Sample ID:	F63932-4	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048231.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	9.9	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	4.8	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	3.8	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	8.1	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	8.0	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		43-121%
92-94-4	p-Terphenyl	84%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-MW13		
Lab Sample ID:	F63932-5	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033797.D	1	03/20/09	MM	n/a	n/a	VN1386
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW13		
Lab Sample ID:	F63932-5	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	96%		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

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Report of Analysis

Client Sample ID:	USTHPFFC-MW13		
Lab Sample ID:	F63932-5	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048232.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		43-121%
92-94-4	p-Terphenyl	90%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-GW22-2		
Lab Sample ID:	F63932-6	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033832.D	1	03/23/09	MM	n/a	n/a	VN1387
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	75.8	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	2.0	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	2.4	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.39	1.0	0.21	ug/l	J
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.60	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	2.9	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	5.3	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	1.6	1.0	0.32	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-GW22-2		
Lab Sample ID:	F63932-6	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	14.9	3.0	1.2	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	100%		76-127%
2037-26-5	Toluene-D8	95%		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

Report of Analysis

Client Sample ID:	IR78-GW22-2		
Lab Sample ID:	F63932-6	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048233.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		43-121%
92-94-4	p-Terphenyl	99%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	UST1115GT-MW06		
Lab Sample ID:	F63932-7	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033807.D	20	03/20/09	MM	n/a	n/a	VN1386
Run #2	N0033839.D	50	03/23/09	MM	n/a	n/a	VN1387

	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	500	200	ug/l	
71-43-2	Benzene	4000 [a]	50	20	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.0	ug/l	
75-25-2	Bromoform	ND	20	6.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.4	ug/l	
75-00-3	Chloroethane	ND	40	9.6	ug/l	
67-66-3	Chloroform	ND	20	5.6	ug/l	
75-15-0	Carbon disulfide	ND	40	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	4.8	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	31.2	20	6.8	ug/l	
78-87-5	1,2-Dichloropropane	52.3	20	4.2	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	21.0	20	4.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	9.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	1010	20	8.6	ug/l	
591-78-6	2-Hexanone	ND	200	100	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	40	ug/l	
74-83-9	Methyl bromide	ND	40	16	ug/l	
74-87-3	Methyl chloride	ND	40	12	ug/l	
75-09-2	Methylene chloride	33.3	100	20	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
100-42-5	Styrene	ND	20	7.2	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	5.2	ug/l	
127-18-4	Tetrachloroethylene	ND	20	4.4	ug/l	
108-88-3	Toluene	3060 [a]	50	18	ug/l	
79-01-6	Trichloroethylene	ND	20	6.4	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:	UST1115GT-MW06		
Lab Sample ID:	F63932-7	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	6.0	ug/l	
1330-20-7	Xylene (total)	1630	60	23	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	103%	102%	76-127%
2037-26-5	Toluene-D8	91%	91%	86-112%
460-00-4	4-Bromofluorobenzene	90%	94%	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

Report of Analysis

Client Sample ID:	UST1115GT-MW06		
Lab Sample ID:	F63932-7	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048234.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.95	1.9	0.95	ug/l	J
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.78	1.9	0.48	ug/l	J
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		43-121%
92-94-4	p-Terphenyl	90%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	UST1115-MW14		
Lab Sample ID:	F63932-8	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033798.D	1	03/20/09	MM	n/a	n/a	VN1386
Run #2	N0033838.D	10	03/23/09	MM	n/a	n/a	VN1387

	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	725 [a]	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	26.2	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	4.0	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	10.8	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.97	1.0	0.45	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.59	1.0	0.43	ug/l	J
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.68	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	4.3	1.0	0.32	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-MW14		
Lab Sample ID:	F63932-8	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	101%	76-127%
2037-26-5	Toluene-D8	92%	94%	86-112%
460-00-4	4-Bromofluorobenzene	97%	96%	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

Report of Analysis

Client Sample ID:	UST1115-MW14		
Lab Sample ID:	F63932-8	**Date Sampled:**	03/10/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048235.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2 [a]	EE060949.D	2	03/18/09	FEA	03/17/09	OP28385	GEE2221

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	99.4 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	6.9	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	17.1	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	50%	54%	43-121%
92-94-4	p-Terphenyl	38%	37%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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

Report of Analysis

Client Sample ID: UST1115-MW12
Lab Sample ID: F63932-9
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/11/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033833.D	1	03/23/09	MM	n/a	n/a	VN1387
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	83.6	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	25.6	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	8.2	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	13.8	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.9	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	21.9	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	29.8	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	10.9	1.0	0.32	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-MW12		
Lab Sample ID:	F63932-9	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	43.6	3.0	1.2	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	103%		76-127%
2037-26-5	Toluene-D8	92%		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

Report of Analysis

Client Sample ID:	UST1115-MW12		
Lab Sample ID:	F63932-9	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048238.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		43-121%
92-94-4	p-Terphenyl	85%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: UST1115GT-MW04
Lab Sample ID: F63932-10
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/11/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033840.D	10	03/23/09	MM	n/a	n/a	VN1387
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	53.6	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	5.5	10	3.4	ug/l	J
78-87-5	1,2-Dichloropropane	5.5	10	2.1	ug/l	J
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4.7	10	2.0	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	313	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
75-09-2	Methylene chloride	21.4	50	10	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	626	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	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:	UST1115GT-MW04		
Lab Sample ID:	F63932-10	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	3.0	ug/l	
1330-20-7	Xylene (total)	2180	30	12	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	101%		76-127%
2037-26-5	Toluene-D8	91%		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

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Report of Analysis

Client Sample ID:	UST1115GT-MW04		
Lab Sample ID:	F63932-10	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048239.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	6.1	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		43-121%
92-94-4	p-Terphenyl	99%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: UST1115GT-MW03
Lab Sample ID: F63932-11
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/11/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033841.D	100	03/23/09	MM	n/a	n/a	VN1387
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	184	100	40	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	3400	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	ug/l	
75-09-2	Methylene chloride	195	500	100	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	8850	100	35	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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

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Report of Analysis

Client Sample ID:	UST1115GT-MW03		
Lab Sample ID:	F63932-11	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	30	ug/l	
1330-20-7	Xylene (total)	10600	300	120	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	100%		76-127%
2037-26-5	Toluene-D8	92%		86-112%
460-00-4	4-Bromofluorobenzene	91%		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:	UST1115GT-MW03		
Lab Sample ID:	F63932-11	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE060950.D	5	03/18/09	FEA	03/17/09	OP28385	GEE2221
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	9.8	4.9	ug/l	
208-96-8	Acenaphthylene	ND	9.8	4.9	ug/l	
120-12-7	Anthracene	ND	9.8	4.9	ug/l	
56-55-3	Benzo(a)anthracene	7.2	0.98	0.25	ug/l	
50-32-8	Benzo(a)pyrene	2.6	0.98	0.25	ug/l	
205-99-2	Benzo(b)fluoranthene	2.7	0.98	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.7	0.98	0.49	ug/l	
207-08-9	Benzo(k)fluoranthene	1.0	0.98	0.25	ug/l	
218-01-9	Chrysene	4.0	9.8	2.5	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.98	0.25	ug/l	
206-44-0	Fluoranthene	18.9	9.8	2.5	ug/l	
86-73-7	Fluorene	25.0	9.8	4.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.2	0.98	0.25	ug/l	
91-20-3	Naphthalene	102	9.8	4.9	ug/l	
90-12-0	1-Methylnaphthalene	25.6	9.8	2.5	ug/l	
91-57-6	2-Methylnaphthalene	26.4	9.8	2.5	ug/l	
85-01-8	Phenanthrene	10.4	9.8	4.9	ug/l	
129-00-0	Pyrene	24.9	9.8	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	313% [b]		43-121%
92-94-4	p-Terphenyl	92%		30-122%

(a) All hits confirmed by spectral match using a diode array detector. Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	USTHPFFC-MW16		
Lab Sample ID:	F63932-12	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033794.D	1	03/20/09	MM	n/a	n/a	VN1386
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	21.7	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	0.53	1.0	0.34	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW16		
Lab Sample ID:	F63932-12	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	100%		76-127%
2037-26-5	Toluene-D8	95%		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

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Report of Analysis

Client Sample ID:	USTHPFFC-MW16		
Lab Sample ID:	F63932-12	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060948.D	1	03/18/09	FEA	03/17/09	OP28385	GEE2221
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	0.98	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.98	ug/l	
120-12-7	Anthracene	ND	2.0	0.98	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.098	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.049	ug/l	
218-01-9	Chrysene	ND	2.0	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.049	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.49	ug/l	
86-73-7	Fluorene	ND	2.0	0.98	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.049	ug/l	
91-20-3	Naphthalene	ND	2.0	0.98	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.49	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.98	ug/l	
129-00-0	Pyrene	ND	2.0	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		43-121%
92-94-4	p-Terphenyl	91%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	UST1115-MW20		
Lab Sample ID:	F63932-13	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0033840.D	100	03/23/09	MM	n/a	n/a	VM1383
Run #2	M0033862.D	200	03/24/09	MM	n/a	n/a	VM1384

	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	2500	1000	ug/l	
71-43-2	Benzene	14300 [a]	200	80	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	729	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	ug/l	
75-09-2	Methylene chloride	110	500	100	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	119	100	35	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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:	F63932-13	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	30	ug/l	
1330-20-7	Xylene (total)	2140	300	120	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	103%	76-127%
2037-26-5	Toluene-D8	98%	98%	86-112%
460-00-4	4-Bromofluorobenzene	102%	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

Report of Analysis

Client Sample ID:	UST1115-MW20		
Lab Sample ID:	F63932-13	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048242.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2 [a]	EE060951.D	2	03/18/09	FEA	03/17/09	OP28385	GEE2221

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	101 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	5.5	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	15.2 [b]	3.8	0.95	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%	77%	43-121%
92-94-4	p-Terphenyl	87%	86%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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@88309 12:38 16-Apr-2009

Report of Analysis

Client Sample ID:	UST1115-MW20D		
Lab Sample ID:	F63932-14	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033888.D	250	03/25/09	MM	n/a	n/a	VN1389
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	14100	250	100	ug/l	
75-27-4	Bromodichloromethane	ND	250	50	ug/l	
75-25-2	Bromoform	ND	250	83	ug/l	
108-90-7	Chlorobenzene	ND	250	55	ug/l	
75-00-3	Chloroethane	ND	500	120	ug/l	
67-66-3	Chloroform	ND	250	70	ug/l	
75-15-0	Carbon disulfide	ND	500	100	ug/l	
56-23-5	Carbon tetrachloride	ND	250	55	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	60	ug/l	
75-35-4	1,1-Dichloroethylene	ND	250	140	ug/l	
107-06-2	1,2-Dichloroethane	ND	250	85	ug/l	
78-87-5	1,2-Dichloropropane	ND	250	53	ug/l	
124-48-1	Dibromochloromethane	ND	250	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	250	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	250	53	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	250	110	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	250	53	ug/l	
100-41-4	Ethylbenzene	810	250	110	ug/l	
591-78-6	2-Hexanone	ND	2500	1300	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1300	500	ug/l	
74-83-9	Methyl bromide	ND	500	200	ug/l	
74-87-3	Methyl chloride	ND	500	150	ug/l	
75-09-2	Methylene chloride	527	1300	250	ug/l	J
78-93-3	Methyl ethyl ketone	ND	1300	500	ug/l	
100-42-5	Styrene	ND	250	90	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	83	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	53	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	250	65	ug/l	
127-18-4	Tetrachloroethylene	ND	250	55	ug/l	
108-88-3	Toluene	131	250	88	ug/l	J
79-01-6	Trichloroethylene	ND	250	80	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-MW20D		
Lab Sample ID:	F63932-14	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	75	ug/l	
1330-20-7	Xylene (total)	2190	750	290	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	101%		76-127%
2037-26-5	Toluene-D8	92%		86-112%
460-00-4	4-Bromofluorobenzene	88%		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:	UST1115-MW20D		
Lab Sample ID:	F63932-14	**Date Sampled:**	03/11/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048243.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2 [a]	EE060952.D	2	03/18/09	FEA	03/17/09	OP28385	GEE2221

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	102 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	4.7	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	16.8 [b]	3.8	0.95	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%	79%	43-121%
92-94-4	p-Terphenyl	87%	80%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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@88309 12:38 16-Apr-2009

Report of Analysis

Client Sample ID: USTHPFF-TB-031109
Lab Sample ID: F63932-15
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/11/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033793.D	1	03/20/09	MM	n/a	n/a	VN1386
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	1.3	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-TB-031109		
Lab Sample ID:	F63932-15	**Date Sampled:**	03/11/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	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

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Report of Analysis

Client Sample ID: USTHPFF-MW12
Lab Sample ID: F63932-16
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033852.D	5	03/24/09	MM	n/a	n/a	VN1388
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	245	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	372	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	3.1	5.0	1.1	ug/l	J
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	24.2	5.0	2.2	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	ug/l	
75-09-2	Methylene chloride [a]	11.5	25	5.0	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
100-42-5	Styrene	ND	5.0	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	168	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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:	F63932-16	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	1.5	ug/l	
1330-20-7	Xylene (total)	113	15	5.8	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	111%		76-127%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	92%		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

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Report of Analysis

Client Sample ID:	USTHPFF-MW12		
Lab Sample ID:	F63932-16	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048244.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	1.9	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		43-121%
92-94-4	p-Terphenyl	88%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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@88309 12:38 16-Apr-2009

Report of Analysis

Client Sample ID: UST1115-MW07
Lab Sample ID: F63932-17
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033851.D	50	03/24/09	MM	n/a	n/a	VN1388
Run #2	M0033869.D	100	03/24/09	MM	n/a	n/a	VM1384

	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	2810	50	20	ug/l	
75-27-4	Bromodichloromethane	ND	50	10	ug/l	
75-25-2	Bromoform	ND	50	17	ug/l	
108-90-7	Chlorobenzene	ND	50	11	ug/l	
75-00-3	Chloroethane	ND	100	24	ug/l	
67-66-3	Chloroform	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	100	20	ug/l	
56-23-5	Carbon tetrachloride	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	12	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	27	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	17	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	11	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	1180	50	22	ug/l	
591-78-6	2-Hexanone	ND	500	250	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	100	ug/l	
74-83-9	Methyl bromide	ND	100	39	ug/l	
74-87-3	Methyl chloride	ND	100	31	ug/l	
75-09-2	Methylene chloride	90.1	250	50	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	250	100	ug/l	
100-42-5	Styrene	ND	50	18	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	17	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	13	ug/l	
127-18-4	Tetrachloroethylene	ND	50	11	ug/l	
108-88-3	Toluene	8510 [a]	100	35	ug/l	
79-01-6	Trichloroethylene	ND	50	16	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-MW07		
Lab Sample ID:	F63932-17	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	15	ug/l	
1330-20-7	Xylene (total)	4640	150	58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	109%	76-127%
2037-26-5	Toluene-D8	91%	98%	86-112%
460-00-4	4-Bromofluorobenzene	95%	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

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Report of Analysis

Client Sample ID:	UST1115-MW07		
Lab Sample ID:	F63932-17	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048250.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2 [a]	AA048282.D	2	03/20/09	FEA	03/17/09	OP28385	GAA1933

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	123 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	21.6	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	56.1	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%	94%	43-121%
92-94-4	p-Terphenyl	91%	90%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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

Report of Analysis

Client Sample ID:	USTHPFFC-MW17		
Lab Sample ID:	F63932-18	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059106.D	1	03/25/09	AJ	n/a	n/a	VB2477
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	18.5	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	41.7	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	3.8	5.0	2.0	ug/l	J
100-42-5	Styrene	ND	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	5.7	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW17		
Lab Sample ID:	F63932-18	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	65.9	3.0	1.2	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	111%		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

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Report of Analysis

Client Sample ID:	USTHPFFC-MW17		
Lab Sample ID:	F63932-18	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048245.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	1.1	1.9	0.95	ug/l	J
90-12-0	1-Methylnaphthalene	ND	1.9	1.9	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	1.9	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		43-121%
92-94-4	p-Terphenyl	82%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	USTHPFFC-MW60		
Lab Sample ID:	F63932-19	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061877.D	10	03/24/09	AJ	n/a	n/a	VC2498
Run #2	C061889.D	100	03/25/09	AJ	n/a	n/a	VC2499

	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	7660 [a]	100	40	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	6.0	10	2.8	ug/l	J
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	254	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
75-09-2	Methylene chloride [b]	29.5	50	10	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	35.2	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	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:	F63932-19	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	3.0	ug/l	
1330-20-7	Xylene (total)	69.3	30	12	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	87%	89%	76-127%
2037-26-5	Toluene-D8	99%	100%	86-112%
460-00-4	4-Bromofluorobenzene	96%	98%	84-120%

(a) Result is from Run# 2
(b) 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-MW60		
Lab Sample ID:	F63932-19	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048251.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	17.8	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	1.9	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		43-121%
92-94-4	p-Terphenyl	87%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	USTHPFFC-MW14		
Lab Sample ID:	F63932-20	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061894.D	5	03/25/09	AJ	n/a	n/a	VC2499
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	21.9	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	19.1	5.0	1.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	69.0	5.0	2.2	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	ug/l	
75-09-2	Methylene chloride [a]	49.2	25	5.0	ug/l	B
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
100-42-5	Styrene	ND	5.0	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	23.6	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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:	USTHPFFC-MW14		
Lab Sample ID:	F63932-20	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	1.5	ug/l	
1330-20-7	Xylene (total)	621	15	5.8	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	89%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	92%		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

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Report of Analysis

Client Sample ID:	USTHPFFC-MW14		
Lab Sample ID:	F63932-20	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048252.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	13.3	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	6.3	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	14.8	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		43-121%
92-94-4	p-Terphenyl	86%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	USTHPFFC-MW22		
Lab Sample ID:	F63932-21	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061891.D	50	03/25/09	AJ	n/a	n/a	VC2499
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	2590	50	20	ug/l	
75-27-4	Bromodichloromethane	ND	50	10	ug/l	
75-25-2	Bromoform	ND	50	17	ug/l	
108-90-7	Chlorobenzene	ND	50	11	ug/l	
75-00-3	Chloroethane	ND	100	24	ug/l	
67-66-3	Chloroform	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	100	20	ug/l	
56-23-5	Carbon tetrachloride	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	12	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	27	ug/l	
107-06-2	1,2-Dichloroethane	91.3	50	17	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	11	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	456	50	22	ug/l	
591-78-6	2-Hexanone	ND	500	250	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	100	ug/l	
74-83-9	Methyl bromide	ND	100	39	ug/l	
74-87-3	Methyl chloride	ND	100	31	ug/l	
75-09-2	Methylene chloride [a]	126	250	50	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	250	100	ug/l	
100-42-5	Styrene	ND	50	18	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	17	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	13	ug/l	
127-18-4	Tetrachloroethylene	ND	50	11	ug/l	
108-88-3	Toluene	1400	50	18	ug/l	
79-01-6	Trichloroethylene	ND	50	16	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-MW22		
Lab Sample ID:	F63932-21	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	15	ug/l	
1330-20-7	Xylene (total)	936	150	58	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	98%		86-112%
460-00-4	4-Bromofluorobenzene	94%		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

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Report of Analysis

Client Sample ID:	USTHPFFC-MW22		
Lab Sample ID:	F63932-21	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048344.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	85.1	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	11.1	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	29.8	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	82%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: USTHPFFC-MW28
Lab Sample ID: F63932-22
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061892.D	250	03/25/09	AJ	n/a	n/a	VC2499
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	9080	250	100	ug/l	
75-27-4	Bromodichloromethane	ND	250	50	ug/l	
75-25-2	Bromoform	ND	250	83	ug/l	
108-90-7	Chlorobenzene	ND	250	55	ug/l	
75-00-3	Chloroethane	ND	500	120	ug/l	
67-66-3	Chloroform	ND	250	70	ug/l	
75-15-0	Carbon disulfide	ND	500	100	ug/l	
56-23-5	Carbon tetrachloride	ND	250	55	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	60	ug/l	
75-35-4	1,1-Dichloroethylene	ND	250	140	ug/l	
107-06-2	1,2-Dichloroethane	ND	250	85	ug/l	
78-87-5	1,2-Dichloropropane	ND	250	53	ug/l	
124-48-1	Dibromochloromethane	ND	250	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	250	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	250	53	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	250	110	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	250	53	ug/l	
100-41-4	Ethylbenzene	633	250	110	ug/l	
591-78-6	2-Hexanone	ND	2500	1300	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1300	500	ug/l	
74-83-9	Methyl bromide	ND	500	200	ug/l	
74-87-3	Methyl chloride	ND	500	150	ug/l	
75-09-2	Methylene chloride [a]	663	1300	250	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	1300	500	ug/l	
100-42-5	Styrene	ND	250	90	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	83	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	53	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	250	65	ug/l	
127-18-4	Tetrachloroethylene	ND	250	55	ug/l	
108-88-3	Toluene	21300	250	88	ug/l	
79-01-6	Trichloroethylene	ND	250	80	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-MW28		
Lab Sample ID:	F63932-22	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	75	ug/l	
1330-20-7	Xylene (total)	5400	750	290	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	89%		76-127%
2037-26-5	Toluene-D8	98%		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

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Report of Analysis

Client Sample ID:	USTHPFFC-MW28		
Lab Sample ID:	F63932-22	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048345.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
Run #2 [a]	EE061134.D	2	03/26/09	FEA	03/19/09	OP28417	GEE2226

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.19	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.19	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.19	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	1.9	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.19	ug/l	
91-20-3	Naphthalene	139 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	24.6	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	58.7	1.9	0.48	ug/l	
85-01-8	Phenanthrene	1.3	1.9	0.96	ug/l	J
129-00-0	Pyrene	ND	1.9	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%	85%	43-121%
92-94-4	p-Terphenyl	86%	85%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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

Report of Analysis

Client Sample ID:	USTHPFFC-MW29		
Lab Sample ID:	F63932-23	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061893.D	200	03/25/09	AJ	n/a	n/a	VC2499
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	8740	200	80	ug/l	
75-27-4	Bromodichloromethane	ND	200	40	ug/l	
75-25-2	Bromoform	ND	200	66	ug/l	
108-90-7	Chlorobenzene	ND	200	44	ug/l	
75-00-3	Chloroethane	ND	400	96	ug/l	
67-66-3	Chloroform	ND	200	56	ug/l	
75-15-0	Carbon disulfide	ND	400	80	ug/l	
56-23-5	Carbon tetrachloride	ND	200	44	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	48	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	110	ug/l	
107-06-2	1,2-Dichloroethane	ND	200	68	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	42	ug/l	
124-48-1	Dibromochloromethane	ND	200	40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	200	40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	42	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	90	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	42	ug/l	
100-41-4	Ethylbenzene	961	200	86	ug/l	
591-78-6	2-Hexanone	ND	2000	1000	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	400	ug/l	
74-83-9	Methyl bromide	ND	400	160	ug/l	
74-87-3	Methyl chloride	ND	400	120	ug/l	
75-09-2	Methylene chloride [a]	586	1000	200	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	1000	400	ug/l	
100-42-5	Styrene	ND	200	72	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	66	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	52	ug/l	
127-18-4	Tetrachloroethylene	ND	200	44	ug/l	
108-88-3	Toluene	1530	200	70	ug/l	
79-01-6	Trichloroethylene	ND	200	64	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-MW29		
Lab Sample ID:	F63932-23	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
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	60	ug/l	
1330-20-7	Xylene (total)	1610	600	230	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	90%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	97%		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

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Report of Analysis

Client Sample ID:	USTHPFFC-MW29		
Lab Sample ID:	F63932-23	**Date Sampled:**	03/12/09
Matrix:	AQ - Ground Water	**Date Received:**	03/13/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061135.D	1	03/26/09	FEA	03/19/09	OP28417	GEE2226
Run #2 [a]	EE061169.D	4	03/27/09	FEA	03/19/09	OP28417	GEE2227

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	213 [b]	7.7	3.8	ug/l	
90-12-0	1-Methylnaphthalene	58.5	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	87.8	1.9	0.48	ug/l	
85-01-8	Phenanthrene	2.0	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%	112%	43-121%
92-94-4	p-Terphenyl	80%	77%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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@88309 12:38 16-Apr-2009

Report of Analysis

Client Sample ID: USTHPFFC-TB-031209
Lab Sample ID: F63932-24
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061857.D	1	03/24/09	AJ	n/a	n/a	VC2498
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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@88309 12:38 16-Apr-2009

Report of Analysis

Client Sample ID:	USTHPFFC-TB-031209		
Lab Sample ID:	F63932-24	**Date Sampled:**	03/12/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/13/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	90%		76-127%
2037-26-5	Toluene-D8	100%		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@88309 12:38 16-Apr-2009

Report of Analysis

Client Sample ID: UST1115-MW09
Lab Sample ID: F63932-25
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-HPFF

Date Sampled: 03/11/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048253.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		43-121%
92-94-4	p-Terphenyl	83%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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: F63932
125709-HPFF-031109-1

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	Mark Pisarcik

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260	Analysis Desired: PAH 610
1	USTHPFFC-MW45	3/10/09	10:20		X	USTHPFFC-MW45	5	X	X
2	USTHPFFC-MW47	3/10/09	11:20		X	USTHPFFC-MW47	5	X	X
3	UST1115-MW22	3/10/09	12:30		X	UST1115-MW22	5	X	X
4	UST1115-MW17	3/10/09	13:00		X	UST1115-MW17	5	X	X
5	USTHPFFC-MW13	3/10/09	14:00		X	USTHPFFC-MW13	5	X	X
6	IR78-GW22-2	3/10/09	15:45		X	IR78-GW22-2	5	X	X
7	UST1115GT-MW06	3/11/09	9:00		X	UST1115GT-MW06	5	X	X
8	UST1115-MW14	3/10/09	16:30		X	UST1115-MW14	5	X	X
9	UST1115-MW12	3/11/09	10:00		X	UST1115-MW12	5	X	X
10	UST1115GT-MW04	3/11/09	10:50		X	UST1115GT-MW04	5	X	X

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1--10	[signature]	FedEx 845909677121	3/11/09	17:00	14 Day TAT
2		fax 3/13/09 9:00	[signature] Accutest	3/13/09	9:00	
3						

2.0 3.2 2.2.24 2.0

F63932: Chain of Custody
Page 1 of 5

COC Number: 125709-HPFF-031109-2 F63932

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	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin	282002	US NAVY - LANTDIV	Mark Pisarcik

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610												
1	UST1115GT-MW04	3/11/09	10:50		X	UST1115GT-MW04	5	X	X												11
2	UST1115GT-MW03	3/11/09	11:30		X	UST1115GT-MW03	5	X	X												12
3	USTHPFFC-MW16	3/11/09	13:30		X	USTHPFFC-MW16	5	X	X												13
4	UST1115-MW20	3/11/09	15:15		X	UST1115-MW20	5	X	X												14
5	UST1115-MW20D	3/11/09	15:15		X	UST1115-MW20D	5	X	X												15
6	USTHPFF-TB-031109	3/11/09	—		X	USTHPFF-TB-031109	2	X													
7																					
8																					
9																					
10																					

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1--6	[signature]	FedEx 845909677121	3/11/09	17:00
2		FX 3/13/09 9:00	CLK/Accutest	3/13/09	9:00
3					

Remarks

14 Day TAT

2.0 3.2 2.2 2.4 2.0

COC Number: 125709-HPFF-031209-1 F63932

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	Mark Pisarcik

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610	Analysis Desired											
1	USTHPFF-MW12	3/12/09	9:00		X	USTHPFF-MW12	5	X	X												16
2	UST1115-MW07	3/12/09	10:00		X	UST1115-MW07	5	X	X												17
3	USTHPFFC-MW17	3/12/09	10:45		X	USTHPFFC-MW17	5	X	X												18
4	USTHPFFC-MW60	3/12/09	11:30		X	USTHPFFC-MW60	5	X	X												19
5	USTHPFFC-MW14	3/12/09	12:00		X	USTHPFFC-MW14	5	X	X												20
6	USTHPFFC-MW22	3/12/09	12:45		X	USTHPFFC-MW22	5	X	X												21
7	USTHPFFC-MW28	3/12/09	13:15		X	USTHPFFC-MW28	5	X	X												22
8	USTHPFFC-MW29	3/12/09	14:00		X	USTHPFFC-MW29	5	X	X												23
9	USTHPFF-TB-031209	3/12/09			X	USTHPFF-TB-031209	2	X													24
10																					

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1--9		FedEx 845909677100/843909677100	3/12/09	17:00	14 Day TAT
2		FX 3/13/09 9:00	ACCUTest	3/13/09	9:00	
3						

2.0 3.2 2.2 2.4 2.0

F63932: Chain of Custody

Page 3 of 5

COC Number:
125709-HPFF-031109-2

F63932

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	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin		US NAVY - LANTDIV	Mark Pisarcik

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260	Analysis Desired: PAH 610
1	UST1115GT-MW06	3/11/09	9:00		X		2		X
2	UST1115-MW14	3/10/09	16:30		X		2		X
3	UST1115-MW12	3/11/09	10:00		X		2		X
4	UST1115GT-MW04	3/11/09	10:50		X		2		X
5	UST1115GT-MW03	3/11/09	11:30		X		2		X
6	UST1115-MW09	3/11/09	12:30		X		2		X
7									
8									
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1--6	[signature]	FedEx 845909677121	3/11/09	17:00	14 Day TAT
2		FX 3/13/09 9:00	[signature] Accutest	3/13/09 9:00	9:00	
3						

2.0 3.2 2.2 2.4 2.0

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F63932 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 3-13-09 09:00 # OF COOLERS RECEIVED: #5 COOLER TEMPS: 2.0 2.2 3.2 2.4 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8684 0197 9817

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)
- [ ] 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 ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 3-13-09 TECHNICIAN SIGNATURE/DATE CLR 3/13/09

ASBD 12/17/07

F63932: Chain of Custody
Page 5 of 5

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: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1386-MB	N0033792.D	1	03/20/09	MM	n/a	n/a	VN1386

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-1, F63932-3, F63932-4, F63932-5, F63932-7, F63932-8, F63932-12, F63932-15

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1386-MB	N0033792.D	1	03/20/09	MM	n/a	n/a	VN1386

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-1, F63932-3, F63932-4, F63932-5, F63932-7, F63932-8, F63932-12, F63932-15

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1387-MB	N0033821.D	1	03/23/09	MM	n/a	n/a	VN1387

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-2, F63932-3, F63932-4, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	1.6	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1387-MB	N0033821.D	1	03/23/09	MM	n/a	n/a	VN1387

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-2, F63932-3, F63932-4, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1383-MB	M0033837.D	1	03/23/09	MM	n/a	n/a	VM1383

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-13

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1383-MB	M0033837.D	1	03/23/09	MM	n/a	n/a	VM1383

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-13

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2498-MB	C061856.D	1	03/24/09	AJ	n/a	n/a	VC2498

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-24

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2498-MB	C061856.D	1	03/24/09	AJ	n/a	n/a	VC2498

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-24

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	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	98%	84-120%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1388-MB	N0033848.D	1	03/24/09	MM	n/a	n/a	VN1388

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-16, F63932-17

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	1.8	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1388-MB	N0033848.D	1	03/24/09	MM	n/a	n/a	VN1388

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-16, F63932-17

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	95%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1384-MB	M0033851.D	1	03/24/09	MM	n/a	n/a	VM1384

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-13, F63932-17

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.40	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1389-MB	N0033877.D	1	03/25/09	MM	n/a	n/a	VN1389

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1389-MB	N0033877.D	1	03/25/09	MM	n/a	n/a	VN1389

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-14

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	95%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2477-MB	B059105.D	1	03/25/09	AJ	n/a	n/a	VB2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-18

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	1.1	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2477-MB	B059105.D	1	03/25/09	AJ	n/a	n/a	VB2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-18

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	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	106%	84-120%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2499-MB	C061888.D	1	03/25/09	AJ	n/a	n/a	VC2499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-20, F63932-21, F63932-22, F63932-23

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	1.5	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2499-MB	C061888.D	1	03/25/09	AJ	n/a	n/a	VC2499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-20, F63932-21, F63932-22, F63932-23

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	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	94%	84-120%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1386-BS	N0033791.D	1	03/20/09	MM	n/a	n/a	VN1386

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-1, F63932-3, F63932-4, F63932-5, F63932-7, F63932-8, F63932-12, F63932-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	119	95	59-134
71-43-2	Benzene	25	25.1	100	83-124
75-27-4	Bromodichloromethane	25	24.6	98	76-116
75-25-2	Bromoform	25	24.4	98	68-128
108-90-7	Chlorobenzene	25	27.7	111	87-115
75-00-3	Chloroethane	25	25.2	101	54-166
67-66-3	Chloroform	25	27.3	109	85-123
75-15-0	Carbon disulfide	25	27.5	110	67-147
56-23-5	Carbon tetrachloride	25	26.9	108	74-139
75-34-3	1,1-Dichloroethane	25	28.0	112	82-127
75-35-4	1,1-Dichloroethylene	25	28.4	114	75-133
107-06-2	1,2-Dichloroethane	25	25.4	102	76-122
78-87-5	1,2-Dichloropropane	25	26.2	105	81-120
124-48-1	Dibromochloromethane	25	23.9	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	23.9	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.8	107	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.3	113	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.6	110	87-123
100-41-4	Ethylbenzene	25	26.5	106	87-118
591-78-6	2-Hexanone	125	115	92	58-125
108-10-1	4-Methyl-2-pentanone	125	120	96	62-125
74-83-9	Methyl bromide	25	24.0	96	55-151
74-87-3	Methyl chloride	25	26.6	106	55-173
75-09-2	Methylene chloride	25	24.3	97	69-125
78-93-3	Methyl ethyl ketone	125	102	82	61-127
100-42-5	Styrene	25	25.1	100	78-118
71-55-6	1,1,1-Trichloroethane	25	25.9	104	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	71-120
79-00-5	1,1,2-Trichloroethane	25	23.4	94	80-114
127-18-4	Tetrachloroethylene	25	26.6	106	80-131
108-88-3	Toluene	25	25.9	104	86-116
79-01-6	Trichloroethylene	25	25.9	104	85-124
75-01-4	Vinyl chloride	25	21.5	86	57-153
1330-20-7	Xylene (total)	75	77.9	104	86-120

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1386-BS	N0033791.D	1	03/20/09	MM	n/a	n/a	VN1386

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-1, F63932-3, F63932-4, F63932-5, F63932-7, F63932-8, F63932-12, F63932-15

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1387-BS	N0033820.D	1	03/23/09	MM	n/a	n/a	VN1387

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-2, F63932-3, F63932-4, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11

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	26.4	106	83-124
75-27-4	Bromodichloromethane	25	25.8	103	76-116
75-25-2	Bromoform	25	25.0	100	68-128
108-90-7	Chlorobenzene	25	28.6	114	87-115
75-00-3	Chloroethane	25	25.2	101	54-166
67-66-3	Chloroform	25	28.5	114	85-123
75-15-0	Carbon disulfide	25	28.7	115	67-147
56-23-5	Carbon tetrachloride	25	28.7	115	74-139
75-34-3	1,1-Dichloroethane	25	29.7	119	82-127
75-35-4	1,1-Dichloroethylene	25	29.3	117	75-133
107-06-2	1,2-Dichloroethane	25	25.5	102	76-122
78-87-5	1,2-Dichloropropane	25	27.3	109	81-120
124-48-1	Dibromochloromethane	25	25.6	102	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	81-114
10061-01-5	cis-1,3-Dichloropropene	25	28.5	114	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.8	119	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.0	116	87-123
100-41-4	Ethylbenzene	25	27.1	108	87-118
591-78-6	2-Hexanone	125	110	88	58-125
108-10-1	4-Methyl-2-pentanone	125	116	93	62-125
74-83-9	Methyl bromide	25	22.3	89	55-151
74-87-3	Methyl chloride	25	25.2	101	55-173
75-09-2	Methylene chloride	25	24.5	98	69-125
78-93-3	Methyl ethyl ketone	125	101	81	61-127
100-42-5	Styrene	25	25.8	103	78-118
71-55-6	1,1,1-Trichloroethane	25	27.9	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.6	98	71-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	80-114
127-18-4	Tetrachloroethylene	25	28.7	115	80-131
108-88-3	Toluene	25	26.9	108	86-116
79-01-6	Trichloroethylene	25	26.0	104	85-124
75-01-4	Vinyl chloride	25	20.5	82	57-153
1330-20-7	Xylene (total)	75	79.8	106	86-120

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1387-BS	N0033820.D	1	03/23/09	MM	n/a	n/a	VN1387

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-2, F63932-3, F63932-4, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11

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	96%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1383-BS	M0033836.D	1	03/23/09	MM	n/a	n/a	VM1383

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	87.0	70	59-134
75-27-4	Bromodichloromethane	25	24.5	98	76-116
75-25-2	Bromoform	25	23.6	94	68-128
108-90-7	Chlorobenzene	25	26.2	105	87-115
75-00-3	Chloroethane	25	22.5	90	54-166
67-66-3	Chloroform	25	27.1	108	85-123
75-15-0	Carbon disulfide	25	29.0	116	67-147
56-23-5	Carbon tetrachloride	25	26.4	106	74-139
75-34-3	1,1-Dichloroethane	25	28.3	113	82-127
75-35-4	1,1-Dichloroethylene	25	30.0	120	75-133
107-06-2	1,2-Dichloroethane	25	24.5	98	76-122
78-87-5	1,2-Dichloropropane	25	25.7	103	81-120
124-48-1	Dibromochloromethane	25	23.9	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	23.6	94	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.0	108	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.7	107	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.2	113	87-123
100-41-4	Ethylbenzene	25	25.4	102	87-118
591-78-6	2-Hexanone	125	101	81	58-125
108-10-1	4-Methyl-2-pentanone	125	110	88	62-125
74-83-9	Methyl bromide	25	20.0	80	55-151
74-87-3	Methyl chloride	25	22.1	88	55-173
75-09-2	Methylene chloride	25	22.2	89	69-125
78-93-3	Methyl ethyl ketone	125	95.3	76	61-127
100-42-5	Styrene	25	25.2	101	78-118
71-55-6	1,1,1-Trichloroethane	25	29.2	117	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.1	92	71-120
79-00-5	1,1,2-Trichloroethane	25	23.9	96	80-114
127-18-4	Tetrachloroethylene	25	29.6	118	80-131
108-88-3	Toluene	25	25.8	103	86-116
79-01-6	Trichloroethylene	25	26.1	104	85-124
75-01-4	Vinyl chloride	25	22.2	89	57-153
1330-20-7	Xylene (total)	75	75.9	101	86-120

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1383-BS	M0033836.D	1	03/23/09	MM	n/a	n/a	VM1383

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-13

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	101%	84-120%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1388-BS	N0033847.D	1	03/24/09	MM	n/a	n/a	VN1388

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-16, F63932-17

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	24.8	99	83-124
75-27-4	Bromodichloromethane	25	24.6	98	76-116
75-25-2	Bromoform	25	24.5	98	68-128
108-90-7	Chlorobenzene	25	27.2	109	87-115
75-00-3	Chloroethane	25	28.6	114	54-166
67-66-3	Chloroform	25	26.9	108	85-123
75-15-0	Carbon disulfide	25	29.1	116	67-147
56-23-5	Carbon tetrachloride	25	26.4	106	74-139
75-34-3	1,1-Dichloroethane	25	28.2	113	82-127
75-35-4	1,1-Dichloroethylene	25	29.3	117	75-133
107-06-2	1,2-Dichloroethane	25	24.4	98	76-122
78-87-5	1,2-Dichloropropane	25	25.7	103	81-120
124-48-1	Dibromochloromethane	25	23.5	94	74-116
156-59-2	cis-1,2-Dichloroethylene	25	23.7	95	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.4	106	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.9	120	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	25.9	104	87-118
591-78-6	2-Hexanone	125	109	87	58-125
108-10-1	4-Methyl-2-pentanone	125	117	94	62-125
74-83-9	Methyl bromide	25	27.1	108	55-151
74-87-3	Methyl chloride	25	25.7	103	55-173
75-09-2	Methylene chloride	25	25.6	102	69-125
78-93-3	Methyl ethyl ketone	125	100	80	61-127
100-42-5	Styrene	25	24.7	99	78-118
71-55-6	1,1,1-Trichloroethane	25	26.0	104	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.2	93	71-120
79-00-5	1,1,2-Trichloroethane	25	22.6	90	80-114
127-18-4	Tetrachloroethylene	25	26.7	107	80-131
108-88-3	Toluene	25	25.0	100	86-116
79-01-6	Trichloroethylene	25	25.0	100	85-124
75-01-4	Vinyl chloride	25	21.5	86	57-153
1330-20-7	Xylene (total)	75	75.6	101	86-120

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1388-BS	N0033847.D	1	03/24/09	MM	n/a	n/a	VN1388

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-16, F63932-17

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	94%	84-120%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2498-BS	C061855.D	1	03/24/09	AJ	n/a	n/a	VC2498

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-24

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	26.3	105	83-124
75-27-4	Bromodichloromethane	25	23.5	94	76-116
75-25-2	Bromoform	25	22.3	89	68-128
108-90-7	Chlorobenzene	25	26.3	105	87-115
75-00-3	Chloroethane	25	21.0	84	54-166
67-66-3	Chloroform	25	25.2	101	85-123
75-15-0	Carbon disulfide	25	25.9	104	67-147
56-23-5	Carbon tetrachloride	25	26.6	106	74-139
75-34-3	1,1-Dichloroethane	25	27.7	111	82-127
75-35-4	1,1-Dichloroethylene	25	28.5	114	75-133
107-06-2	1,2-Dichloroethane	25	23.5	94	76-122
78-87-5	1,2-Dichloropropane	25	26.2	105	81-120
124-48-1	Dibromochloromethane	25	22.5	90	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.2	97	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.3	105	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.9	116	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.1	108	87-123
100-41-4	Ethylbenzene	25	26.6	106	87-118
591-78-6	2-Hexanone	125	116	93	58-125
108-10-1	4-Methyl-2-pentanone	125	117	94	62-125
74-83-9	Methyl bromide	25	21.2	85	55-151
74-87-3	Methyl chloride	25	25.5	102	55-173
75-09-2	Methylene chloride	25	30.6	122	69-125
78-93-3	Methyl ethyl ketone	125	112	90	61-127
100-42-5	Styrene	25	24.7	99	78-118
71-55-6	1,1,1-Trichloroethane	25	25.4	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.2	93	71-120
79-00-5	1,1,2-Trichloroethane	25	23.0	92	80-114
127-18-4	Tetrachloroethylene	25	25.0	100	80-131
108-88-3	Toluene	25	25.3	101	86-116
79-01-6	Trichloroethylene	25	25.7	103	85-124
75-01-4	Vinyl chloride	25	20.8	83	57-153
1330-20-7	Xylene (total)	75	76.8	102	86-120

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2498-BS	C061855.D	1	03/24/09	AJ	n/a	n/a	VC2498

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-24

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	95%	84-120%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1384-BS	M0033850.D	1	03/24/09	MM	n/a	n/a	VM1384

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-13, F63932-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.3	101	83-124
108-88-3	Toluene	25	26.9	108	86-116

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2477-BS	B059104.D	1	03/25/09	AJ	n/a	n/a	VB2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	87.3	70	59-134
71-43-2	Benzene	25	27.0	108	83-124
75-27-4	Bromodichloromethane	25	24.4	98	76-116
75-25-2	Bromoform	25	20.2	81	68-128
108-90-7	Chlorobenzene	25	26.3	105	87-115
75-00-3	Chloroethane	25	21.2	85	54-166
67-66-3	Chloroform	25	27.0	108	85-123
75-15-0	Carbon disulfide	25	30.1	120	67-147
56-23-5	Carbon tetrachloride	25	27.4	110	74-139
75-34-3	1,1-Dichloroethane	25	28.8	115	82-127
75-35-4	1,1-Dichloroethylene	25	26.6	106	75-133
107-06-2	1,2-Dichloroethane	25	25.2	101	76-122
78-87-5	1,2-Dichloropropane	25	26.1	104	81-120
124-48-1	Dibromochloromethane	25	25.0	100	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.8	99	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.2	105	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.0	116	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.3	113	87-123
100-41-4	Ethylbenzene	25	27.3	109	87-118
591-78-6	2-Hexanone	125	117	94	58-125
108-10-1	4-Methyl-2-pentanone	125	126	101	62-125
74-83-9	Methyl bromide	25	22.5	90	55-151
74-87-3	Methyl chloride	25	22.3	89	55-173
75-09-2	Methylene chloride	25	28.2	113	69-125
78-93-3	Methyl ethyl ketone	125	102	82	61-127
100-42-5	Styrene	25	26.2	105	78-118
71-55-6	1,1,1-Trichloroethane	25	28.3	113	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.0	104	71-120
79-00-5	1,1,2-Trichloroethane	25	25.7	103	80-114
127-18-4	Tetrachloroethylene	25	26.3	105	80-131
108-88-3	Toluene	25	27.9	112	86-116
79-01-6	Trichloroethylene	25	25.8	103	85-124
75-01-4	Vinyl chloride	25	20.0	80	57-153
1330-20-7	Xylene (total)	75	81.2	108	86-120

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2477-BS	B059104.D	1	03/25/09	AJ	n/a	n/a	VB2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-18

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	76-127%
2037-26-5	Toluene-D8	104%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1389-BS	N0033876.D	1	03/25/09	MM	n/a	n/a	VN1389

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	125	100	59-134
71-43-2	Benzene	25	25.5	102	83-124
75-27-4	Bromodichloromethane	25	24.7	99	76-116
75-25-2	Bromoform	25	22.9	92	68-128
108-90-7	Chlorobenzene	25	27.2	109	87-115
75-00-3	Chloroethane	25	23.6	94	54-166
67-66-3	Chloroform	25	27.6	110	85-123
75-15-0	Carbon disulfide	25	25.3	101	67-147
56-23-5	Carbon tetrachloride	25	28.2	113	74-139
75-34-3	1,1-Dichloroethane	25	28.7	115	82-127
75-35-4	1,1-Dichloroethylene	25	26.4	106	75-133
107-06-2	1,2-Dichloroethane	25	24.4	98	76-122
78-87-5	1,2-Dichloropropane	25	25.7	103	81-120
124-48-1	Dibromochloromethane	25	23.9	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.9	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.2	105	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.1	112	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.4	102	87-123
100-41-4	Ethylbenzene	25	24.9	100	87-118
591-78-6	2-Hexanone	125	111	89	58-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
74-83-9	Methyl bromide	25	23.2	93	55-151
74-87-3	Methyl chloride	25	26.1	104	55-173
75-09-2	Methylene chloride	25	23.3	93	69-125
78-93-3	Methyl ethyl ketone	125	101	81	61-127
100-42-5	Styrene	25	24.6	98	78-118
71-55-6	1,1,1-Trichloroethane	25	26.9	108	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	71-120
79-00-5	1,1,2-Trichloroethane	25	23.4	94	80-114
127-18-4	Tetrachloroethylene	25	27.2	109	80-131
108-88-3	Toluene	25	25.6	102	86-116
79-01-6	Trichloroethylene	25	24.9	100	85-124
75-01-4	Vinyl chloride	25	19.9	80	57-153
1330-20-7	Xylene (total)	75	74.9	100	86-120

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1389-BS	N0033876.D	1	03/25/09	MM	n/a	n/a	VN1389

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-14

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2499-BS	C061887.D	1	03/25/09	AJ	n/a	n/a	VC2499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-20, F63932-21, F63932-22, F63932-23

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	115	92	59-134
71-43-2	Benzene	25	25.5	102	83-124
75-27-4	Bromodichloromethane	25	21.7	87	76-116
75-25-2	Bromoform	25	21.6	86	68-128
108-90-7	Chlorobenzene	25	25.4	102	87-115
75-00-3	Chloroethane	25	21.9	88	54-166
67-66-3	Chloroform	25	24.2	97	85-123
75-15-0	Carbon disulfide	25	26.0	104	67-147
56-23-5	Carbon tetrachloride	25	24.8	99	74-139
75-34-3	1,1-Dichloroethane	25	26.7	107	82-127
75-35-4	1,1-Dichloroethylene	25	28.6	114	75-133
107-06-2	1,2-Dichloroethane	25	21.9	88	76-122
78-87-5	1,2-Dichloropropane	25	25.1	100	81-120
124-48-1	Dibromochloromethane	25	22.1	88	74-116
156-59-2	cis-1,2-Dichloroethylene	25	23.2	93	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.8	99	83-119
156-60-5	trans-1,2-Dichloroethylene	25	27.8	111	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	112	90	58-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
74-83-9	Methyl bromide	25	21.7	87	55-151
74-87-3	Methyl chloride	25	23.6	94	55-173
75-09-2	Methylene chloride	25	29.2	117	69-125
78-93-3	Methyl ethyl ketone	125	107	86	61-127
100-42-5	Styrene	25	23.8	95	78-118
71-55-6	1,1,1-Trichloroethane	25	24.0	96	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.0	92	71-120
79-00-5	1,1,2-Trichloroethane	25	22.4	90	80-114
127-18-4	Tetrachloroethylene	25	24.0	96	80-131
108-88-3	Toluene	25	24.3	97	86-116
79-01-6	Trichloroethylene	25	23.9	96	85-124
75-01-4	Vinyl chloride	25	20.5	82	57-153
1330-20-7	Xylene (total)	75	74.6	99	86-120

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2499-BS	C061887.D	1	03/25/09	AJ	n/a	n/a	VC2499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-20, F63932-21, F63932-22, F63932-23

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	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	93%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63932-12MS	N0033801.D	1	03/20/09	MM	n/a	n/a	VN1386
F63932-12MSD	N0033802.D	1	03/20/09	MM	n/a	n/a	VN1386
F63932-12	N0033794.D	1	03/20/09	MM	n/a	n/a	VN1386

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-1, F63932-3, F63932-4, F63932-5, F63932-7, F63932-8, F63932-12, F63932-15

CAS No.	Compound	F63932-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	118	94	110	88	7	59-134/14
71-43-2	Benzene	21.7		25	48.3	106	46.7	100	3	83-124/11
75-27-4	Bromodichloromethane	ND		25	23.9	96	23.5	94	2	76-116/10
75-25-2	Bromoform	ND		25	24.7	99	23.2	93	6	68-128/11
108-90-7	Chlorobenzene	ND		25	27.9	112	26.7	107	4	87-115/9
75-00-3	Chloroethane	ND		25	36.7	147	32.4	130	12	54-166/20
67-66-3	Chloroform	ND		25	27.0	108	25.5	102	6	85-123/10
75-15-0	Carbon disulfide	ND		25	31.0	124	30.7	123	1	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.8	107	25.3	101	6	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.4	114	27.5	110	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	32.0	128	30.4	122	5	75-133/13
107-06-2	1,2-Dichloroethane	0.53	J	25	26.5	104	25.5	100	4	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.0	108	25.9	104	4	81-120/11
124-48-1	Dibromochloromethane	ND		25	22.5	90	22.2	89	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.0	96	22.9	92	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.6	102	24.7	99	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	32.6	130*	31.0	124	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.9	108	25.8	103	4	87-123/10
100-41-4	Ethylbenzene	ND		25	26.3	105	25.8	103	2	87-118/10
591-78-6	2-Hexanone	ND		125	114	91	107	86	6	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	127	102	121	97	5	62-125/13
74-83-9	Methyl bromide	ND		25	31.8	127	30.2	121	5	55-151/21
74-87-3	Methyl chloride	ND		25	27.3	109	28.2	113	3	55-173/22
75-09-2	Methylene chloride	ND		25	27.3	109	26.0	104	5	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	103	82	96.7	77	6	61-127/13
100-42-5	Styrene	ND		25	24.8	99	24.0	96	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	25.4	102	24.2	97	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.0	92	23.4	94	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.3	89	21.7	87	3	80-114/11
127-18-4	Tetrachloroethylene	ND		25	26.9	108	25.7	103	5	80-131/12
108-88-3	Toluene	ND		25	24.1	96	23.8	95	1	86-116/10
79-01-6	Trichloroethylene	ND		25	23.7	95	24.0	96	1	85-124/10
75-01-4	Vinyl chloride	ND		25	21.0	84	22.4	90	6	57-153/22
1330-20-7	Xylene (total)	ND		75	76.0	101	73.3	98	4	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63932-12MS	N0033801.D	1	03/20/09	MM	n/a	n/a	VN1386
F63932-12MSD	N0033802.D	1	03/20/09	MM	n/a	n/a	VN1386
F63932-12	N0033794.D	1	03/20/09	MM	n/a	n/a	VN1386

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-1, F63932-3, F63932-4, F63932-5, F63932-7, F63932-8, F63932-12, F63932-15

CAS No.	Surrogate Recoveries	MS	MSD	F63932-12	Limits
1868-53-7	Dibromofluoromethane	99%	99%	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	104%	100%	76-127%
2037-26-5	Toluene-D8	90%	90%	95%	86-112%
460-00-4	4-Bromofluorobenzene	89%	91%	96%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63945-10MS	N0033835.D	1	03/23/09	MM	n/a	n/a	VN1387
F63945-10MSD	N0033836.D	1	03/23/09	MM	n/a	n/a	VN1387
F63945-10	N0033822.D	1	03/23/09	MM	n/a	n/a	VN1387

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-2, F63932-3, F63932-4, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11

CAS No.	Compound	F63945-10 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	108	86	108	86	0	59-134/14
71-43-2	Benzene	1.0	U	25	25.3	101	25.2	101	0	83-124/11
75-27-4	Bromodichloromethane	1.0	U	25	25.0	100	24.9	100	0	76-116/10
75-25-2	Bromoform	1.0	U	25	23.8	95	23.3	93	2	68-128/11
108-90-7	Chlorobenzene	1.0	U	25	27.6	110	27.8	111	1	87-115/9
75-00-3	Chloroethane	2.0	U	25	29.1	116	32.0	128	9	54-166/20
67-66-3	Chloroform	1.0	U	25	26.7	107	26.9	108	1	85-123/10
75-15-0	Carbon disulfide	2.0	U	25	30.0	120	29.6	118	1	67-147/12
56-23-5	Carbon tetrachloride	1.0	U	25	26.6	106	26.4	106	1	74-139/13
75-34-3	1,1-Dichloroethane	1.0	U	25	28.8	115	28.3	113	2	82-127/10
75-35-4	1,1-Dichloroethylene	1.0	U	25	30.5	122	30.1	120	1	75-133/13
107-06-2	1,2-Dichloroethane	1.0	U	25	25.4	102	25.3	101	0	76-122/11
78-87-5	1,2-Dichloropropane	1.0	U	25	26.2	105	26.7	107	2	81-120/11
124-48-1	Dibromochloromethane	1.0	U	25	23.0	92	23.1	92	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	23.8	95	24.3	97	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	25.7	103	25.6	102	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	31.1	124	31.0	124	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	26.1	104	26.0	104	0	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	25.9	104	25.7	103	1	87-118/10
591-78-6	2-Hexanone	10	U	125	111	89	110	88	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0	U	125	123	98	123	98	0	62-125/13
74-83-9	Methyl bromide	2.0	U	25	29.4	118	28.7	115	2	55-151/21
74-87-3	Methyl chloride	2.0	U	25	25.4	102	26.1	104	3	55-173/22
75-09-2	Methylene chloride	5.0	U	25	25.8	103	25.3	101	2	69-125/11
78-93-3	Methyl ethyl ketone	5.0	U	125	98.3	79	98.1	78	0	61-127/13
100-42-5	Styrene	1.0	U	25	24.7	99	24.7	99	0	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0	U	25	25.9	104	26.1	104	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	22.8	91	23.7	95	4	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0	U	25	22.6	90	22.8	91	1	80-114/11
127-18-4	Tetrachloroethylene	1.0	U	25	26.7	107	26.1	104	2	80-131/12
108-88-3	Toluene	1.0	U	25	25.0	100	24.7	99	1	86-116/10
79-01-6	Trichloroethylene	1.0	U	25	24.4	98	24.4	98	0	85-124/10
75-01-4	Vinyl chloride	1.0	U	25	21.3	85	21.2	85	0	57-153/22
1330-20-7	Xylene (total)	3.0	U	75	75.6	101	74.8	100	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63945-10MS	N0033835.D	1	03/23/09	MM	n/a	n/a	VN1387
F63945-10MSD	N0033836.D	1	03/23/09	MM	n/a	n/a	VN1387
F63945-10	N0033822.D	1	03/23/09	MM	n/a	n/a	VN1387

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-2, F63932-3, F63932-4, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11

CAS No.	Surrogate Recoveries	MS	MSD	F63945-10	Limits
1868-53-7	Dibromofluoromethane	101%	100%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	104%	98%	76-127%
2037-26-5	Toluene-D8	93%	92%	94%	86-112%
460-00-4	4-Bromofluorobenzene	89%	93%	97%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63932-13MS	M0033841.D	100	03/23/09	MM	n/a	n/a	VM1383
F63932-13MSD	M0033842.D	100	03/23/09	MM	n/a	n/a	VM1383
F63932-13	M0033840.D	100	03/23/09	MM	n/a	n/a	VM1383

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-13

CAS No.	Compound	F63932-13 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		12500	6560	52*	6500	52*	1	59-134/14
75-27-4	Bromodichloromethane	ND		2500	2490	100	2520	101	1	76-116/10
75-25-2	Bromoform	ND		2500	2530	101	2430	97	4	68-128/11
108-90-7	Chlorobenzene	ND		2500	2650	106	2610	104	2	87-115/9
75-00-3	Chloroethane	ND		2500	2340	94	2360	94	1	54-166/20
67-66-3	Chloroform	ND		2500	2790	112	2750	110	1	85-123/10
75-15-0	Carbon disulfide	ND		2500	2950	118	2910	116	1	67-147/12
56-23-5	Carbon tetrachloride	ND		2500	2750	110	2730	109	1	74-139/13
75-34-3	1,1-Dichloroethane	ND		2500	2870	115	2910	116	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND		2500	3110	124	3060	122	2	75-133/13
107-06-2	1,2-Dichloroethane	ND		2500	2500	100	2530	101	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		2500	2550	102	2580	103	1	81-120/11
124-48-1	Dibromochloromethane	ND		2500	2570	103	2470	99	4	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		2500	2390	96	2400	96	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		2500	2660	106	2750	110	3	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		2500	2740	110	2710	108	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		2500	2890	116	2840	114	2	87-123/10
100-41-4	Ethylbenzene	729		2500	3340	104	3240	100	3	87-118/10
591-78-6	2-Hexanone	ND		12500	9740	78	9700	78	0	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		12500	11300	90	11400	91	1	62-125/13
74-83-9	Methyl bromide	ND		2500	2010	80	2130	85	6	55-151/21
74-87-3	Methyl chloride	ND		2500	2110	84	2190	88	4	55-173/22
75-09-2	Methylene chloride	110	JB	2500	2310	88	2270	86	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		12500	8730	70	8790	70	1	61-127/13
100-42-5	Styrene	ND		2500	2670	107	2550	102	5	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		2500	3000	120	3000	120	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		2500	2350	94	2320	93	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		2500	2440	98	2440	98	0	80-114/11
127-18-4	Tetrachloroethylene	ND		2500	3020	121	2970	119	2	80-131/12
108-88-3	Toluene	119		2500	2770	106	2690	103	3	86-116/10
79-01-6	Trichloroethylene	ND		2500	2670	107	2730	109	2	85-124/10
75-01-4	Vinyl chloride	ND		2500	2090	84	2190	88	5	57-153/22
1330-20-7	Xylene (total)	2140		7500	10000	105	9770	102	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63932-13MS	M0033841.D	100	03/23/09	MM	n/a	n/a	VM1383
F63932-13MSD	M0033842.D	100	03/23/09	MM	n/a	n/a	VM1383
F63932-13	M0033840.D	100	03/23/09	MM	n/a	n/a	VM1383

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-13

CAS No.	Surrogate Recoveries	MS	MSD	F63932-13	Limits
1868-53-7	Dibromofluoromethane	101%	101%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	105%	100%	76-127%
2037-26-5	Toluene-D8	103%	101%	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	102%	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64118-2MS	C061869.D	1	03/24/09	AJ	n/a	n/a	VC2498
F64118-2MSD	C061870.D	1	03/24/09	AJ	n/a	n/a	VC2498
F64118-2	C061859.D	1	03/24/09	AJ	n/a	n/a	VC2498

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-24

CAS No.	Compound	F64118-2 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	94.6	76	94.1	75	1	59-134/14
71-43-2	Benzene	1.0 U		25	26.8	107	24.9	100	7	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	23.1	92	21.9	88	5	76-116/10
75-25-2	Bromoform	1.0 U		25	22.6	90	21.3	85	6	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	27.0	108	25.2	101	7	87-115/9
75-00-3	Chloroethane	2.0 U		25	24.4	98	24.0	96	2	54-166/20
67-66-3	Chloroform	1.0 U		25	24.7	99	23.4	94	5	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	26.7	107	24.7	99	8	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	25.5	102	23.7	95	7	74-139/13
75-34-3	1,1-Dichloroethane	3.1		25	30.7	110	28.9	103	6	82-127/10
75-35-4	1,1-Dichloroethylene	2.0		25	30.9	116	29.0	108	6	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	22.8	91	21.6	86	5	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	26.7	107	25.2	101	6	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	22.7	91	21.7	87	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	24.0	96	22.9	92	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	25.1	100	23.7	95	6	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	28.6	114	26.6	106	7	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.7	107	24.8	99	7	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	26.9	108	24.7	99	9	87-118/10
591-78-6	2-Hexanone	10 U		125	113	90	110	88	3	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	123	98	118	94	4	62-125/13
74-83-9	Methyl bromide	2.0 U		25	24.2	97	23.6	94	3	55-151/21
74-87-3	Methyl chloride	2.0 U		25	28.4	114	25.9	104	9	55-173/22
75-09-2	Methylene chloride	5.0 U		25	30.8	123	29.1	116	6	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	104	83	102	82	2	61-127/13
100-42-5	Styrene	1.0 U		25	25.1	100	23.2	93	8	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	24.9	100	22.7	91	9	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	25.0	100	23.1	92	8	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.9	96	22.6	90	6	80-114/11
127-18-4	Tetrachloroethylene	0.53	I	25	25.4	99	23.1	90	9	80-131/12
108-88-3	Toluene	1.0 U		25	25.4	102	23.3	93	9	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	25.5	102	23.7	95	7	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	23.3	93	20.8	83	11	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	78.1	104	72.9	97	7	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64118-2MS	C061869.D	1	03/24/09	AJ	n/a	n/a	VC2498
F64118-2MSD	C061870.D	1	03/24/09	AJ	n/a	n/a	VC2498
F64118-2	C061859.D	1	03/24/09	AJ	n/a	n/a	VC2498

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-24

CAS No.	Surrogate Recoveries	MS	MSD	F64118-2	Limits
1868-53-7	Dibromofluoromethane	102%	101%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	92%	92%	90%	76-127%
2037-26-5	Toluene-D8	96%	97%	100%	86-112%
460-00-4	4-Bromofluorobenzene	92%	94%	95%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64096-6MS	M0033866.D	50	03/24/09	MM	n/a	n/a	VM1384
F64096-6MSD	M0033867.D	50	03/24/09	MM	n/a	n/a	VM1384
F64096-6	M0033865.D	50	03/24/09	MM	n/a	n/a	VM1384

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-13, F63932-17

CAS No.	Compound	F64096-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4090		1250	5170	86	5160	86	0	83-124/11
108-88-3	Toluene	391		1250	1670	102	1600	97	4	86-116/10

CAS No.	Surrogate Recoveries	MS	MSD	F64096-6	Limits
1868-53-7	Dibromofluoromethane	107%	108%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	109%	106%	76-127%
2037-26-5	Toluene-D8	101%	100%	99%	86-112%
460-00-4	4-Bromofluorobenzene	102%	102%	105%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63945-4MS	N0033862.D	1	03/24/09	MM	n/a	n/a	VN1388
F63945-4MSD	N0033863.D	1	03/24/09	MM	n/a	n/a	VN1388
F63945-4	N0033854.D	1	03/24/09	MM	n/a	n/a	VN1388

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-16, F63932-17

CAS No.	Compound	F63945-4 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	123	98	125	100	2	59-134/14
71-43-2	Benzene	1.0 U		25	24.4	98	24.4	98	0	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	24.5	98	24.1	96	2	76-116/10
75-25-2	Bromoform	1.0 U		25	23.8	95	24.0	96	1	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	27.2	109	27.0	108	1	87-115/9
75-00-3	Chloroethane	2.0 U		25	38.1	152	36.9	148	3	54-166/20
67-66-3	Chloroform	1.0 U		25	26.2	105	26.4	106	1	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	32.7	131	32.0	128	2	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	26.3	105	26.5	106	1	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	28.5	114	28.6	114	0	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	33.7	135*	33.3	133	1	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	26.7	107	25.9	104	3	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	26.3	105	26.8	107	2	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	22.2	89	21.7	87	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	0.50	I	25	23.7	93	23.8	93	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.5	98	24.6	98	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	34.4	138*	34.3	137*	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	25.2	101	25.0	100	1	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	25.8	103	25.9	104	0	87-118/10
591-78-6	2-Hexanone	10 U		125	115	92	113	90	2	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	35.8	143	35.5	142	1	55-151/21
74-87-3	Methyl chloride	2.0 U		25	26.7	107	28.2	113	5	55-173/22
75-09-2	Methylene chloride	5.0 U		25	30.1	120	29.0	116	4	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	104	83	102	82	2	61-127/13
100-42-5	Styrene	1.0 U		25	24.1	96	23.8	95	1	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	25.1	100	25.7	103	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	21.1	84	22.1	88	5	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	21.4	86	20.5	82	4	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	26.1	104	25.9	104	1	80-131/12
108-88-3	Toluene	1.0 U		25	23.6	94	23.7	95	0	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	24.2	97	24.7	99	2	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	20.3	81	23.0	92	12	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	74.0	99	74.2	99	0	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63945-4MS	N0033862.D	1	03/24/09	MM	n/a	n/a	VN1388
F63945-4MSD	N0033863.D	1	03/24/09	MM	n/a	n/a	VN1388
F63945-4	N0033854.D	1	03/24/09	MM	n/a	n/a	VN1388

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-16, F63932-17

CAS No.	Surrogate Recoveries	MS	MSD	F63945-4	Limits
1868-53-7	Dibromofluoromethane	101%	100%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	106%	102%	76-127%
2037-26-5	Toluene-D8	88%	88%	94%	86-112%
460-00-4	4-Bromofluorobenzene	83%*	87%	94%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63946-19MS	B059116.D	1	03/25/09	AJ	n/a	n/a	VB2477
F63946-19MSD	B059117.D	1	03/25/09	AJ	n/a	n/a	VB2477
F63946-19 [a]	B059113.D	1	03/25/09	AJ	n/a	n/a	VB2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-18

CAS No.	Compound	F63946-19 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	84.2	67	79.5	64	6	59-134/14
71-43-2	Benzene	1.0 U		25	26.9	108	25.1	100	7	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	23.3	93	22.1	88	5	76-116/10
75-25-2	Bromoform	1.0 U		25	18.1	72	17.2	69	5	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	26.0	104	24.6	98	6	87-115/9
75-00-3	Chloroethane	2.0 U		25	20.0	80	18.6	74	7	54-166/20
67-66-3	Chloroform	1.0 U		25	26.5	106	24.9	100	6	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	27.9	112	26.0	104	7	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	25.6	102	24.2	97	6	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	28.7	115	26.8	107	7	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	31.1	124	29.9	120	4	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	24.6	98	23.2	93	6	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	26.3	105	24.5	98	7	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	24.2	97	22.8	91	6	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.1	100	23.3	93	7	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.3	97	23.3	93	4	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	28.5	114	26.5	106	7	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.4	106	25.2	101	5	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	27.3	109	25.5	102	7	87-118/10
591-78-6	2-Hexanone	10 U		125	116	93	109	87	6	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	133	106	125	100	6	62-125/13
74-83-9	Methyl bromide	2.0 U		25	19.4	78	19.0	76	2	55-151/21
74-87-3	Methyl chloride	2.0 U		25	24.0	96	22.6	90	6	55-173/22
75-09-2	Methylene chloride	5.0 U		25	27.2	109	26.0	104	5	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	97.3	78	91.9	74	6	61-127/13
100-42-5	Styrene	1.0 U		25	24.8	99	23.7	95	5	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.6	106	25.2	101	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	26.5	106	24.9	100	6	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	26.3	105	24.8	99	6	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	25.9	104	24.3	97	6	80-131/12
108-88-3	Toluene	1.0 U		25	28.4	114	26.2	105	8	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	25.1	100	23.5	94	7	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	19.6	78	19.3	77	2	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	81.2	108	75.9	101	7	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63946-19MS	B059116.D	1	03/25/09	AJ	n/a	n/a	VB2477
F63946-19MSD	B059117.D	1	03/25/09	AJ	n/a	n/a	VB2477
F63946-19 [a]	B059113.D	1	03/25/09	AJ	n/a	n/a	VB2477

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-18

CAS No.	Surrogate Recoveries	MS	MSD	F63946-19	Limits
1868-53-7	Dibromofluoromethane	103%	103%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	109%	109%	76-127%
2037-26-5	Toluene-D8	106%	106%	106%	86-112%
460-00-4	4-Bromofluorobenzene	103%	100%	106%	84-120%

(a) Sample was treated with an anti-foaming agent.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63938-1MS	C061900.D	1	03/25/09	AJ	n/a	n/a	VC2499
F63938-1MSD	C061901.D	1	03/25/09	AJ	n/a	n/a	VC2499
F63938-1	C061895.D	1	03/25/09	AJ	n/a	n/a	VC2499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-20, F63932-21, F63932-22, F63932-23

CAS No.	Compound	F63938-1 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	88.4	71	81.6	65	8	59-134/14
71-43-2	Benzene	1.0 U		25	24.9	100	23.6	94	5	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	21.5	86	20.6	82	4	76-116/10
75-25-2	Bromoform	1.0 U		25	21.1	84	19.9	80	6	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	25.4	102	23.8	95	7	87-115/9
75-00-3	Chloroethane	2.0 U		25	24.0	96	23.2	93	3	54-166/20
67-66-3	Chloroform	1.0 U		25	23.5	94	22.2	89	6	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	26.0	104	23.5	94	10	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	24.4	98	22.7	91	7	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	25.9	104	24.2	97	7	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	28.8	115	25.7	103	11	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	21.5	86	20.5	82	5	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25.2	101	23.6	94	7	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	21.5	86	20.4	82	5	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	22.6	90	21.2	85	6	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.0	96	22.5	90	6	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	26.9	108	24.9	100	8	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	25.3	101	24.1	96	5	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	25.3	101	23.5	94	7	87-118/10
591-78-6	2-Hexanone	10 U		125	108	86	102	82	6	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	117	94	111	89	5	62-125/13
74-83-9	Methyl bromide	2.0 U		25	24.4	98	24.5	98	0	55-151/21
74-87-3	Methyl chloride	2.0 U		25	25.1	100	23.7	95	6	55-173/22
75-09-2	Methylene chloride	5.0 U		25	28.9	116	26.8	107	8	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	96.9	78	92.8	74	4	61-127/13
100-42-5	Styrene	1.0 U		25	23.8	95	21.8	87	9	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	23.1	92	21.4	86	8	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	20.8	83	20.5	82	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	22.5	90	21.1	84	6	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	23.4	94	21.7	87	8	80-131/12
108-88-3	Toluene	1.0 U		25	23.9	96	22.3	89	7	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	24.9	100	23.0	92	8	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	20.8	83	18.6	74	11	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	73.7	98	68.4	91	7	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63938-1MS	C061900.D	1	03/25/09	AJ	n/a	n/a	VC2499
F63938-1MSD	C061901.D	1	03/25/09	AJ	n/a	n/a	VC2499
F63938-1	C061895.D	1	03/25/09	AJ	n/a	n/a	VC2499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-19, F63932-20, F63932-21, F63932-22, F63932-23

CAS No.	Surrogate Recoveries	MS	MSD	F63938-1	Limits
1868-53-7	Dibromofluoromethane	97%	98%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	92%	93%	91%	76-127%
2037-26-5	Toluene-D8	97%	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	95%	93%	97%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64069-7MS	N0033891.D	1	03/25/09	MM	n/a	n/a	VN1389
F64069-7MSD	N0033892.D	1	03/25/09	MM	n/a	n/a	VN1389
F64069-7	N0033884.D	1	03/25/09	MM	n/a	n/a	VN1389

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-14

CAS No.	Compound	F64069-7 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	125	100	126	101	1	59-134/14
71-43-2	Benzene	1.0 U		25	25.0	100	24.7	99	1	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	24.7	99	24.6	98	0	76-116/10
75-25-2	Bromoform	1.0 U		25	23.8	95	23.6	94	1	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	28.1	112	27.5	110	2	87-115/9
75-00-3	Chloroethane	2.0 U		25	41.4	166	41.3	165	0	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	33.7	135	33.6	134	0	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	26.9	108	27.1	108	1	74-139/13
75-34-3	1,1-Dichloroethane	0.48	I	25	29.9	118	29.6	116	1	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	35.8	143*	34.8	139*	3	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	26.9	108	26.4	106	2	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	27.2	109	27.1	108	0	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	21.6	86	22.3	89	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0		25	24.8	95	25.3	97	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.6	98	25.2	101	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	36.6	146*	35.6	142*	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	24.7	99	24.8	99	0	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	26.0	104	25.6	102	2	87-118/10
591-78-6	2-Hexanone	10 U		125	115	92	114	91	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	130	104	127	102	2	62-125/13
74-83-9	Methyl bromide	2.0 U		25	38.6	154*	38.0	152*	2	55-151/21
74-87-3	Methyl chloride	2.0 U		25	30.0	120	31.5	126	5	55-173/22
75-09-2	Methylene chloride	5.0 U		25	31.0	124	30.5	122	2	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	107	86	107	86	0	61-127/13
100-42-5	Styrene	1.0 U		25	24.3	97	24.4	98	0	78-118/11
71-55-6	1,1,1-Trichloroethane	0.36	I	25	26.8	106	27.0	107	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.1	88	22.1	88	0	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	21.6	86	21.5	86	0	80-114/11
127-18-4	Tetrachloroethylene	0.71	I	25	27.6	108	26.9	105	3	80-131/12
108-88-3	Toluene	1.0 U		25	23.3	93	23.1	92	1	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	24.8	99	24.9	100	0	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	22.4	90	24.8	99	10	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	75.0	100	74.1	99	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64069-7MS	N0033891.D	1	03/25/09	MM	n/a	n/a	VN1389
F64069-7MSD	N0033892.D	1	03/25/09	MM	n/a	n/a	VN1389
F64069-7	N0033884.D	1	03/25/09	MM	n/a	n/a	VN1389

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63932-14

CAS No.	Surrogate Recoveries	MS	MSD	F64069-7	Limits
1868-53-7	Dibromofluoromethane	100%	101%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	108%	102%	76-127%
2037-26-5	Toluene-D8	85%*	87%	93%	86-112%
460-00-4	4-Bromofluorobenzene	84%	86%	91%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28385-MB	AA048227.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-1, F63932-2, F63932-3, F63932-4, F63932-5, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11, F63932-12, F63932-13, F63932-14, F63932-16, F63932-17, F63932-18, F63932-19, F63932-20, F63932-25

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	89%	43-121%
92-94-4	p-Terphenyl	96%	30-122%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28385-MB	EE060947.D	1	03/18/09	FEA	03/17/09	OP28385	GEE2221

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-1, F63932-2, F63932-3, F63932-4, F63932-5, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11, F63932-12, F63932-13, F63932-14, F63932-16, F63932-17, F63932-18, F63932-19, F63932-20, F63932-25

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	43-121%
92-94-4	p-Terphenyl	99%	30-122%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28385-MB	AA048281.D	1	03/20/09	FEA	03/17/09	OP28385	GAA1933

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-1, F63932-2, F63932-3, F63932-4, F63932-5, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11, F63932-12, F63932-13, F63932-14, F63932-16, F63932-17, F63932-18, F63932-19, F63932-20, F63932-25

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	43-121%
92-94-4	p-Terphenyl	97%	30-122%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MB	AA048343.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-21, F63932-22, F63932-23

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	43-121%
92-94-4	p-Terphenyl	91%	30-122%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MB	EE061133.D	1	03/26/09	FEA	03/19/09	OP28417	GEE2226

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-21, F63932-22, F63932-23

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	80%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Method Blank Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MB	EE061168.D	1	03/27/09	FEA	03/19/09	OP28417	GEE2227

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-21, F63932-22, F63932-23

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28385-BS	AA048226.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-1, F63932-2, F63932-3, F63932-4, F63932-5, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11, F63932-12, F63932-13, F63932-14, F63932-16, F63932-17, F63932-18, F63932-19, F63932-20, F63932-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	16.6	83	60-102
208-96-8	Acenaphthylene	20	17.6	88	66-108
120-12-7	Anthracene	10	8.8	88	64-107
56-55-3	Benzo(a)anthracene	10	9.5	95	70-108
50-32-8	Benzo(a)pyrene	10	9.4	94	72-115
205-99-2	Benzo(b)fluoranthene	10	9.6	96	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.3	93	69-113
207-08-9	Benzo(k)fluoranthene	10	9.3	93	70-111
218-01-9	Chrysene	10	9.6	96	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.5	95	71-114
206-44-0	Fluoranthene	20	17.8	89	68-110
86-73-7	Fluorene	20	17.2	86	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.0	90	69-110
91-20-3	Naphthalene	20	15.2	76	55-94
90-12-0	1-Methylnaphthalene	20	15.4	77	55-97
91-57-6	2-Methylnaphthalene	20	15.3	77	51-97
85-01-8	Phenanthrene	20	18.0	90	67-108
129-00-0	Pyrene	20	18.1	91	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Blank Spike Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-BS	AA048342.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-21, F63932-22, F63932-23

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	17.5	88	60-102
208-96-8	Acenaphthylene	20	18.5	93	66-108
120-12-7	Anthracene	10	9.4	94	64-107
56-55-3	Benzo(a)anthracene	10	9.9	99	70-108
50-32-8	Benzo(a)pyrene	10	10	100	72-115
205-99-2	Benzo(b)fluoranthene	10	10.3	103	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.8	98	69-113
207-08-9	Benzo(k)fluoranthene	10	10.6	106	70-111
218-01-9	Chrysene	10	10.1	101	71-111
53-70-3	Dibenzo(a,h)anthracene	10	10.1	101	71-114
206-44-0	Fluoranthene	20	19.2	96	68-110
86-73-7	Fluorene	20	18.3	92	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.5	95	69-110
91-20-3	Naphthalene	20	15.7	79	55-94
90-12-0	1-Methylnaphthalene	20	16.1	81	55-97
91-57-6	2-Methylnaphthalene	20	15.8	79	51-97
85-01-8	Phenanthrene	20	19.4	97	67-108
129-00-0	Pyrene	20	19.5	98	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	43-121%
92-94-4	p-Terphenyl	100%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28385-MS	AA048246.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
OP28385-MSD	AA048247.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931
F63932-18 [a]	AA048245.D	1	03/17/09	FEA	03/17/09	OP28385	GAA1931

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-1, F63932-2, F63932-3, F63932-4, F63932-5, F63932-6, F63932-7, F63932-8, F63932-9, F63932-10, F63932-11, F63932-12, F63932-13, F63932-14, F63932-16, F63932-17, F63932-18, F63932-19, F63932-20, F63932-25

CAS No.	Compound	F63932-18 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	33.1	86	33.9	88	2	60-102/33
208-96-8	Acenaphthylene	ND		38.5	35.8	93	36.8	96	3	66-108/32
120-12-7	Anthracene	ND		19.2	16.9	88	17.3	90	2	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	17.6	92	17.7	92	1	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	17.9	93	17.8	93	1	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	18.0	94	18.1	94	1	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	17.4	90	17.5	91	1	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	18.3	95	18.1	94	1	70-111/21
218-01-9	Chrysene	ND		19.2	18.0	94	18.1	94	1	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	17.8	93	17.8	93	0	71-114/23
206-44-0	Fluoranthene	ND		38.5	33.8	88	34.6	90	2	68-110/17
86-73-7	Fluorene	ND		38.5	33.0	86	33.9	88	3	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	17.0	88	17.1	89	1	69-110/22
91-20-3	Naphthalene	1.1	J	38.5	29.4	74	30.8	77	5	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	30.3	79	30.8	80	2	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	30.5	79	30.5	79	0	51-97/25
85-01-8	Phenanthrene	ND		38.5	34.6	90	35.5	92	3	67-108/22
129-00-0	Pyrene	ND		38.5	34.3	89	35.1	91	2	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F63932-18	Limits
84-15-1	o-Terphenyl	83%	84%	79%	43-121%
92-94-4	p-Terphenyl	88%	86%	82%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63932
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MS	AA048349.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
OP28417-MSD	AA048350.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
F63961-2	AA048348.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935

The QC reported here applies to the following samples: **Method:** EPA 610

F63932-21, F63932-22, F63932-23

CAS No.	Compound	F63961-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	33.7	88	31.5	85	7	60-102/33
208-96-8	Acenaphthylene	ND		38.5	35.8	93	33.5	90	7	66-108/32
120-12-7	Anthracene	ND		19.2	17.8	93	16.6	90	7	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	18.7	97	17.6	95	6	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	18.5	96	17.3	93	7	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	19.4	101	18.4	99	5	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	18.5	96	17.4	94	6	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.3	100	18.0	97	7	70-111/21
218-01-9	Chrysene	ND		19.2	19.0	99	17.9	97	6	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	19.0	99	17.8	96	7	71-114/23
206-44-0	Fluoranthene	ND		38.5	36.5	95	34.2	92	7	68-110/17
86-73-7	Fluorene	ND		38.5	35.1	91	32.8	89	7	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	18.2	95	17.1	92	6	69-110/22
91-20-3	Naphthalene	ND		38.5	29.6	77	27.5	74	7	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	31.1	81	29.0	78	7	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	30.7	80	28.5	77	7	51-97/25
85-01-8	Phenanthrene	ND		38.5	37.1	96	34.8	94	6	67-108/22
129-00-0	Pyrene	ND		38.5	37.0	96	34.7	94	6	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F63961-2	Limits
84-15-1	o-Terphenyl	87%	87%	84%	43-121%
92-94-4	p-Terphenyl	96%	96%	84%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/15/09



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F63961

Sampling Date: 03/13/09

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **43**

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Harry Behzadi, Ph.D.
Laboratory Director

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Sample Summary

Shaw E & I, Inc.

Job No: F63961

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F63961-1	03/13/09	10:30	JM	03/16/09	AQ	Ground Water	USTHPFFC-MW19
F63961-2	03/13/09	11:45	JM	03/16/09	AQ	Ground Water	IR78-GW32-2
F63961-3	03/13/09	12:30	JM	03/16/09	AQ	Ground Water	USTHPFFC-MW30
F63961-4	03/13/09	14:00	JM	03/16/09	AQ	Ground Water	USTHPFF-MW15
F63961-5	03/13/09	14:45	JM	03/16/09	AQ	Ground Water	USTHPFFC-MW42
F63961-6	03/13/09	00:00	JM	03/16/09	AQ	Trip Blank Water	USTHPFF-TB-031309

Sample Results

Report of Analysis

Accutest LabLink@88275 09:22 15-Apr-2009

Report of Analysis

Client Sample ID:	USTHPFFC-MW19		
Lab Sample ID:	F63961-1	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059153.D	100	03/26/09	AJ	n/a	n/a	VB2478
Run #2	C061952.D	200	03/27/09	AJ	n/a	n/a	VC2501

	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	2480	2500	1000	ug/l	J
71-43-2	Benzene	12900 [a]	200	80	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	1250	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1070	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	ug/l	
75-09-2	Methylene chloride [b]	463	500	100	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	4960	100	35	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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-MW19		
Lab Sample ID:	F63961-1	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
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	30	ug/l	
1330-20-7	Xylene (total)	3910	300	120	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	109%	88%	76-127%
2037-26-5	Toluene-D8	104%	97%	86-112%
460-00-4	4-Bromofluorobenzene	104%	93%	84-120%

(a) Result is from Run# 2
(b) 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@88275 09:22 15-Apr-2009

Report of Analysis

Client Sample ID:	USTHPFFC-MW19		
Lab Sample ID:	F63961-1	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061136.D	1	03/26/09	FEA	03/19/09	OP28417	GEE2226
Run #2 [a]	EE061170.D	2	03/27/09	FEA	03/19/09	OP28417	GEE2227

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	99.3 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	11.4	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	21.2	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%	62%	43-121%
92-94-4	p-Terphenyl	63%	62%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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

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Report of Analysis

Client Sample ID:	IR78-GW32-2		
Lab Sample ID:	F63961-2	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059138.D	1	03/26/09	AJ	n/a	n/a	VB2478
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	23.5	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	13.3	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	72.4	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-GW32-2		
Lab Sample ID:	F63961-2	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	60.6	3.0	1.2	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	109%		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

Report of Analysis

Client Sample ID:	IR78-GW32-2		
Lab Sample ID:	F63961-2	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048348.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	84%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-MW30		
Lab Sample ID:	F63961-3	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059154.D	10	03/26/09	AJ	n/a	n/a	VB2478
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	114	250	100	ug/l	J
71-43-2	Benzene	432	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	5.0	10	4.3	ug/l	J
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
75-09-2	Methylene chloride [a]	47.3	50	10	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	24.6	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	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-MW30		
Lab Sample ID:	F63961-3	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
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	3.0	ug/l	
1330-20-7	Xylene (total)	23.9	30	12	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	109%		76-127%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	108%		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

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Report of Analysis

Client Sample ID:	USTHPFFC-MW30		
Lab Sample ID:	F63961-3	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE061137.D	1	03/26/09	FEA	03/19/09	OP28417	GEE2226
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		43-121%
92-94-4	p-Terphenyl	65%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-MW15		
Lab Sample ID:	F63961-4	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059155.D	100	03/26/09	AJ	n/a	n/a	VB2478
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	1270	2500	1000	ug/l	J
71-43-2	Benzene	276	100	40	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1900	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	ug/l	
75-09-2	Methylene chloride [a]	435	500	100	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	3080	100	35	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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-MW15		
Lab Sample ID:	F63961-4	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
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	30	ug/l	
1330-20-7	Xylene (total)	12000	300	120	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	104%		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

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Report of Analysis

Client Sample ID:	USTHPFF-MW15		
Lab Sample ID:	F63961-4	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061138.D	5	03/26/09	FEA	03/19/09	OP28417	GEE2226
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	9.6	4.8	ug/l	
208-96-8	Acenaphthylene	ND	9.6	4.8	ug/l	
120-12-7	Anthracene	ND	9.6	4.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.96	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.96	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.96	0.24	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.96	0.48	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.96	0.24	ug/l	
218-01-9	Chrysene	ND	9.6	2.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.96	0.24	ug/l	
206-44-0	Fluoranthene	ND	9.6	2.4	ug/l	
86-73-7	Fluorene	ND	9.6	4.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.96	0.24	ug/l	
91-20-3	Naphthalene	337	9.6	4.8	ug/l	
90-12-0	1-Methylnaphthalene	67.2	9.6	2.4	ug/l	
91-57-6	2-Methylnaphthalene	177	9.6	2.4	ug/l	
85-01-8	Phenanthrene	ND	9.6	4.8	ug/l	
129-00-0	Pyrene	ND	9.6	2.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		43-121%
92-94-4	p-Terphenyl	57%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-MW42		
Lab Sample ID:	F63961-5	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061951.D	1	03/27/09	AJ	n/a	n/a	VC2501
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	31.6	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	1.3	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.9	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW42		
Lab Sample ID:	F63961-5	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	88%		76-127%
2037-26-5	Toluene-D8	97%		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

Report of Analysis

Client Sample ID:	USTHPFFC-MW42		
Lab Sample ID:	F63961-5	**Date Sampled:**	03/13/09
Matrix:	AQ - Ground Water	**Date Received:**	03/16/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061139.D	1	03/26/09	FEA	03/19/09	OP28417	GEE2226
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	32.5	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	4.0	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	5.7	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	91%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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-TB-031309		
Lab Sample ID:	F63961-6	**Date Sampled:**	03/13/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/16/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059139.D	1	03/26/09	AJ	n/a	n/a	VB2478
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-TB-031309		
Lab Sample ID:	F63961-6	**Date Sampled:**	03/13/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/16/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	109%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F63961

COC Number:
125709-HPFF-031309

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	Project Number	Contact	PO Number	Client Rep	Project Manager
CAMP LEJEUNE - HPFF	CAMP LEJEUNE, NC	125709	Mark Martin	282002	US NAVY - LANTDIV	Mark Pisarcik

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260	Analysis Desired: PAH 610
1	USTHPFFC-MW19	3/13/09	10:30		X	USTHPFFC-MW19	5	X	X
2	IR78-GW32-2	3/13/09	11:45		X	IR78-GW32-2	5	X	X
3	USTHPFFC-MW30	3/13/09	12:30		X	USTHPFFC-MW30	5	X	X
4	USTHPFF-MW15	3/13/09	14:00		X	USTHPFF-MW15	5	X	X
5	USTHPFFC-MW14	3/13/09	14:45		X	USTHPFFC-MW14	5	X	X
6	USTHPFF-TB-031309	3/13/09			X	USTHPFF-TB-031309	2	X	
7									
8									
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1--6	[illegible]	FedEx 845909676960	3/13/09	17:00	14 Day TAT
2		FX	[illegible] (ACCUTEST)	3-16-09	09:00	
3						2.6

F63961: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F63961 CLIENT: SHAW PROJECT: CAMP LEJEUNE-HPFF

DATE/TIME RECEIVED: 3-16-09 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8459 0967 6960

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 ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: FOR SAMPLE #5 COC reads USTHPFFC-MW14 at 14:45 LABEL reads USTHPFFC-MW42 at 14:45

TECHNICIAN SIGNATURE/DATE: JC 3-16-09 TECHNICIAN SIGNATURE/DATE:

ASBD 12/17/07

F63961: Chain of Custody
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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: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-MB	B059135.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-2, F63961-3, F63961-4, F63961-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-MB	B059135.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-2, F63961-3, F63961-4, F63961-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	109%	76-127%
2037-26-5	Toluene-D8	107%	86-112%
460-00-4	4-Bromofluorobenzene	110%	84-120%

Method Blank Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2501-MB	C061947.D	1	03/27/09	AJ	n/a	n/a	VC2501

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2501-MB	C061947.D	1	03/27/09	AJ	n/a	n/a	VC2501

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	88%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	94%	84-120%

Blank Spike Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-BS	B059134.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-2, F63961-3, F63961-4, F63961-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	77.5	62	59-134
71-43-2	Benzene	25	28.3	113	83-124
75-27-4	Bromodichloromethane	25	25.1	100	76-116
75-25-2	Bromoform	25	20.7	83	68-128
108-90-7	Chlorobenzene	25	27.4	110	87-115
75-00-3	Chloroethane	25	22.4	90	54-166
67-66-3	Chloroform	25	28.2	113	85-123
75-15-0	Carbon disulfide	25	29.7	119	67-147
56-23-5	Carbon tetrachloride	25	28.0	112	74-139
75-34-3	1,1-Dichloroethane	25	29.9	120	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	27.1	108	81-120
124-48-1	Dibromochloromethane	25	25.8	103	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.9	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.2	109	83-119
156-60-5	trans-1,2-Dichloroethylene	25	30.2	121	82-126
10061-02-6	trans-1,3-Dichloropropene	25	30.1	120	87-123
100-41-4	Ethylbenzene	25	28.4	114	87-118
591-78-6	2-Hexanone	125	126	101	58-125
108-10-1	4-Methyl-2-pentanone	125	133	106	62-125
74-83-9	Methyl bromide	25	23.7	95	55-151
74-87-3	Methyl chloride	25	24.7	99	55-173
75-09-2	Methylene chloride	25	29.2	117	69-125
78-93-3	Methyl ethyl ketone	125	108	86	61-127
100-42-5	Styrene	25	27.0	108	78-118
71-55-6	1,1,1-Trichloroethane	25	28.5	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.6	106	71-120
79-00-5	1,1,2-Trichloroethane	25	27.3	109	80-114
127-18-4	Tetrachloroethylene	25	26.6	106	80-131
108-88-3	Toluene	25	29.1	116	86-116
79-01-6	Trichloroethylene	25	26.7	107	85-124
75-01-4	Vinyl chloride	25	21.5	86	57-153
1330-20-7	Xylene (total)	75	84.8	113	86-120

Blank Spike Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-BS	B059134.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-2, F63961-3, F63961-4, F63961-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Blank Spike Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2501-BS	C061946.D	1	03/27/09	AJ	n/a	n/a	VC2501

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-5

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	25.5	102	83-124
75-27-4	Bromodichloromethane	25	21.9	88	76-116
75-25-2	Bromoform	25	21.6	86	68-128
108-90-7	Chlorobenzene	25	25.7	103	87-115
75-00-3	Chloroethane	25	24.9	100	54-166
67-66-3	Chloroform	25	24.4	98	85-123
75-15-0	Carbon disulfide	25	27.5	110	67-147
56-23-5	Carbon tetrachloride	25	25.6	102	74-139
75-34-3	1,1-Dichloroethane	25	27.1	108	82-127
75-35-4	1,1-Dichloroethylene	25	31.0	124	75-133
107-06-2	1,2-Dichloroethane	25	21.9	88	76-122
78-87-5	1,2-Dichloropropane	25	25.6	102	81-120
124-48-1	Dibromochloromethane	25	21.9	88	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.0	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.1	100	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.6	114	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.0	104	87-123
100-41-4	Ethylbenzene	25	25.4	102	87-118
591-78-6	2-Hexanone	125	114	91	58-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
74-83-9	Methyl bromide	25	24.0	96	55-151
74-87-3	Methyl chloride	25	27.2	109	55-173
75-09-2	Methylene chloride	25	31.6	126*	69-125
78-93-3	Methyl ethyl ketone	125	110	88	61-127
100-42-5	Styrene	25	23.7	95	78-118
71-55-6	1,1,1-Trichloroethane	25	23.8	95	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.7	91	71-120
79-00-5	1,1,2-Trichloroethane	25	22.1	88	80-114
127-18-4	Tetrachloroethylene	25	23.7	95	80-131
108-88-3	Toluene	25	23.9	96	86-116
79-01-6	Trichloroethylene	25	23.9	96	85-124
75-01-4	Vinyl chloride	25	23.3	93	57-153
1330-20-7	Xylene (total)	75	73.3	98	86-120

Blank Spike Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2501-BS	C061946.D	1	03/27/09	AJ	n/a	n/a	VC2501

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	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	92%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63982-1MS	B059149.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1MSD	B059150.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1	B059140.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-2, F63961-3, F63961-4, F63961-6

CAS No.	Compound	F63982-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	92.0	74	89.9	72	2	59-134/14
71-43-2	Benzene	ND		25	26.6	106	25.0	100	6	83-124/11
75-27-4	Bromodichloromethane	ND		25	23.2	93	22.5	90	3	76-116/10
75-25-2	Bromoform	ND		25	20.5	82	20.4	82	0	68-128/11
108-90-7	Chlorobenzene	ND		25	25.2	101	24.6	98	2	87-115/9
75-00-3	Chloroethane	ND		25	20.3	81	20.3	81	0	54-166/20
67-66-3	Chloroform	ND		25	26.3	105	25.2	101	4	85-123/10
75-15-0	Carbon disulfide	ND		25	27.7	111	25.7	103	7	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.8	103	24.5	98	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.1	112	26.6	106	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.8	123	29.0	116	6	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.7	103	24.4	98	5	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.7	103	24.7	99	4	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.5	98	24.1	96	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.3	97	23.2	93	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.9	100	24.5	98	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.9	112	26.4	106	6	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	27.7	111	27.6	110	0	87-123/10
100-41-4	Ethylbenzene	ND		25	26.0	104	25.4	102	2	87-118/10
591-78-6	2-Hexanone	ND		125	152	122	155	124	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	167	134*	165	132*	1	62-125/13
74-83-9	Methyl bromide	ND		25	21.7	87	21.4	86	1	55-151/21
74-87-3	Methyl chloride	ND		25	23.9	96	23.9	96	0	55-173/22
75-09-2	Methylene chloride	ND		25	29.8	119	28.1	112	6	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	112	90	109	87	3	61-127/13
100-42-5	Styrene	ND		25	24.6	98	23.9	96	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.8	107	25.2	101	6	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	28.3	113	27.2	109	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	26.7	107	26.0	104	3	80-114/11
127-18-4	Tetrachloroethylene	ND		25	24.3	97	23.1	92	5	80-131/12
108-88-3	Toluene	ND		25	26.8	107	25.9	104	3	86-116/10
79-01-6	Trichloroethylene	ND		25	24.6	98	23.4	94	5	85-124/10
75-01-4	Vinyl chloride	ND		25	20.1	80	20.2	81	0	57-153/22
1330-20-7	Xylene (total)	ND		75	78.0	104	75.5	101	3	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63982-1MS	B059149.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1MSD	B059150.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1	B059140.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-2, F63961-3, F63961-4, F63961-6

CAS No.	Surrogate Recoveries	MS	MSD	F63982-1	Limits
1868-53-7	Dibromofluoromethane	105%	104%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	114%	114%	111%	76-127%
2037-26-5	Toluene-D8	105%	106%	104%	86-112%
460-00-4	4-Bromofluorobenzene	102%	101%	106%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64008-10MS	C061959.D	1	03/27/09	AJ	n/a	n/a	VC2501
F64008-10MSD	C061960.D	1	03/27/09	AJ	n/a	n/a	VC2501
F64008-10	C061957.D	1	03/27/09	AJ	n/a	n/a	VC2501

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-5

CAS No.	Compound	F64008-10 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	89.5	72	92.9	74	4	59-134/14
71-43-2	Benzene	1.0	U	25	24.9	100	24.8	99	0	83-124/11
75-27-4	Bromodichloromethane	1.0	U	25	21.4	86	21.5	86	0	76-116/10
75-25-2	Bromoform	1.0	U	25	21.2	85	21.7	87	2	68-128/11
108-90-7	Chlorobenzene	1.0	U	25	25.3	101	24.8	99	2	87-115/9
75-00-3	Chloroethane	2.0	U	25	24.7	99	21.6	86	13	54-166/20
67-66-3	Chloroform	1.0	U	25	23.4	94	22.9	92	2	85-123/10
75-15-0	Carbon disulfide	2.0	U	25	26.0	104	24.9	100	4	67-147/12
56-23-5	Carbon tetrachloride	1.0	U	25	24.0	96	23.2	93	3	74-139/13
75-34-3	1,1-Dichloroethane	1.0	U	25	26.0	104	25.7	103	1	82-127/10
75-35-4	1,1-Dichloroethylene	1.0	U	25	28.2	113	27.7	111	2	75-133/13
107-06-2	1,2-Dichloroethane	1.0	U	25	21.0	84	21.1	84	0	76-122/11
78-87-5	1,2-Dichloropropane	1.0	U	25	25.5	102	25.3	101	1	81-120/11
124-48-1	Dibromochloromethane	1.0	U	25	20.8	83	21.4	86	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	23.3	93	22.8	91	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	24.5	98	23.9	96	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	26.6	106	26.5	106	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	24.7	99	24.6	98	0	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	24.8	99	24.8	99	0	87-118/10
591-78-6	2-Hexanone	10	U	125	107	86	107	86	0	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0	U	125	115	92	116	93	1	62-125/13
74-83-9	Methyl bromide	2.0	U	25	23.2	93	21.4	86	8	55-151/21
74-87-3	Methyl chloride	2.0	U	25	25.4	102	26.3	105	3	55-173/22
75-09-2	Methylene chloride	5.0	U	25	29.7	119	29.8	119	0	69-125/11
78-93-3	Methyl ethyl ketone	5.0	U	125	101	81	100	80	1	61-127/13
100-42-5	Styrene	1.0	U	25	23.1	92	23.2	93	0	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0	U	25	22.5	90	21.9	88	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	23.1	92	22.8	91	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0	U	25	21.9	88	21.9	88	0	80-114/11
127-18-4	Tetrachloroethylene	1.0	U	25	23.4	94	22.6	90	3	80-131/12
108-88-3	Toluene	1.0	U	25	23.7	95	23.1	92	3	86-116/10
79-01-6	Trichloroethylene	1.0	U	25	23.7	95	22.8	91	4	85-124/10
75-01-4	Vinyl chloride	1.0	U	25	21.0	84	20.6	82	2	57-153/22
1330-20-7	Xylene (total)	3.0	U	75	71.5	95	71.3	95	0	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64008-10MS	C061959.D	1	03/27/09	AJ	n/a	n/a	VC2501
F64008-10MSD	C061960.D	1	03/27/09	AJ	n/a	n/a	VC2501
F64008-10	C061957.D	1	03/27/09	AJ	n/a	n/a	VC2501

The QC reported here applies to the following samples: **Method:** SW846 8260B

F63961-1, F63961-5

CAS No.	Surrogate Recoveries	MS	MSD	F64008-10	Limits
1868-53-7	Dibromofluoromethane	102%	102%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	89%	89%	85%	76-127%
2037-26-5	Toluene-D8	95%	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	89%	90%	93%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MB	AA048343.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935

The QC reported here applies to the following samples: **Method:** EPA 610

F63961-1, F63961-2, F63961-3, F63961-4, F63961-5

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	43-121%
92-94-4	p-Terphenyl	91%	30-122%

Method Blank Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MB	EE061133.D	1	03/26/09	FEA	03/19/09	OP28417	GEE2226

The QC reported here applies to the following samples: **Method:** EPA 610

F63961-1, F63961-2, F63961-3, F63961-4, F63961-5

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	80%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Method Blank Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MB	EE061168.D	1	03/27/09	FEA	03/19/09	OP28417	GEE2227

The QC reported here applies to the following samples: **Method:** EPA 610

F63961-1, F63961-2, F63961-3, F63961-4, F63961-5

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Blank Spike Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-BS	AA048342.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935

The QC reported here applies to the following samples: **Method:** EPA 610

F63961-1, F63961-2, F63961-3, F63961-4, F63961-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	17.5	88	60-102
208-96-8	Acenaphthylene	20	18.5	93	66-108
120-12-7	Anthracene	10	9.4	94	64-107
56-55-3	Benzo(a)anthracene	10	9.9	99	70-108
50-32-8	Benzo(a)pyrene	10	10	100	72-115
205-99-2	Benzo(b)fluoranthene	10	10.3	103	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.8	98	69-113
207-08-9	Benzo(k)fluoranthene	10	10.6	106	70-111
218-01-9	Chrysene	10	10.1	101	71-111
53-70-3	Dibenzo(a,h)anthracene	10	10.1	101	71-114
206-44-0	Fluoranthene	20	19.2	96	68-110
86-73-7	Fluorene	20	18.3	92	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.5	95	69-110
91-20-3	Naphthalene	20	15.7	79	55-94
90-12-0	1-Methylnaphthalene	20	16.1	81	55-97
91-57-6	2-Methylnaphthalene	20	15.8	79	51-97
85-01-8	Phenanthrene	20	19.4	97	67-108
129-00-0	Pyrene	20	19.5	98	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	43-121%
92-94-4	p-Terphenyl	100%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F63961
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MS	AA048349.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
OP28417-MSD	AA048350.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
F63961-2	AA048348.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935

The QC reported here applies to the following samples: **Method:** EPA 610

F63961-1, F63961-2, F63961-3, F63961-4, F63961-5

CAS No.	Compound	F63961-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	33.7	88	31.5	85	7	60-102/33
208-96-8	Acenaphthylene	ND		38.5	35.8	93	33.5	90	7	66-108/32
120-12-7	Anthracene	ND		19.2	17.8	93	16.6	90	7	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	18.7	97	17.6	95	6	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	18.5	96	17.3	93	7	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	19.4	101	18.4	99	5	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	18.5	96	17.4	94	6	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.3	100	18.0	97	7	70-111/21
218-01-9	Chrysene	ND		19.2	19.0	99	17.9	97	6	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	19.0	99	17.8	96	7	71-114/23
206-44-0	Fluoranthene	ND		38.5	36.5	95	34.2	92	7	68-110/17
86-73-7	Fluorene	ND		38.5	35.1	91	32.8	89	7	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	18.2	95	17.1	92	6	69-110/22
91-20-3	Naphthalene	ND		38.5	29.6	77	27.5	74	7	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	31.1	81	29.0	78	7	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	30.7	80	28.5	77	7	51-97/25
85-01-8	Phenanthrene	ND		38.5	37.1	96	34.8	94	6	67-108/22
129-00-0	Pyrene	ND		38.5	37.0	96	34.7	94	6	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F63961-2	Limits
84-15-1	o-Terphenyl	87%	87%	84%	43-121%
92-94-4	p-Terphenyl	96%	96%	84%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/03/09



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F64016

Sampling Date: 03/17/09

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: **49**

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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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F64016

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F64016-1	03/17/09	09:20	JM	03/18/09	AQ	Ground Water	USTHPFFC-MW24
F64016-2	03/17/09	10:20	JM	03/18/09	AQ	Ground Water	USTHPFF-MWA
F64016-3	03/17/09	11:20	JM	03/18/09	AQ	Ground Water	USTHPFFC-MW12
F64016-4	03/17/09	11:20	JM	03/18/09	AQ	Ground Water	USTHPFFC-MW12D
F64016-5	03/17/09	13:20	JM	03/18/09	AQ	Ground Water	USTHPFF-RW01
F64016-6	03/17/09	14:00	JM	03/18/09	AQ	Ground Water	USTHPFF-MW17
F64016-7	03/17/09	15:00	JM	03/18/09	AQ	Ground Water	USTHPFFC-MW08
F64016-8	03/17/09	00:00	JM	03/18/09	AQ	Trip Blank Water	USTHPFF-TB-031709

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW24		
Lab Sample ID:	F64016-1	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059218.D	1	03/31/09	AJ	n/a	n/a	VB2482
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	25.0	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	7.4	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	1.3	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	28.1	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride [a]	4.5	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	3.3	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-MW24		
Lab Sample ID:	F64016-1	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	28.2	3.0	1.2	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	116%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

(a) CCV outside of control limits; results may be biased high; 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-MW24		
Lab Sample ID:	F64016-1	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048356.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	2.9	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	6.4	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		43-121%
92-94-4	p-Terphenyl	92%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MWA		
Lab Sample ID:	F64016-2	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033957.D	20	03/30/09	MM	n/a	n/a	VN1393
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	220	500	200	ug/l	J
71-43-2	Benzene	775	20	8.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.0	ug/l	
75-25-2	Bromoform	ND	20	6.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.4	ug/l	
75-00-3	Chloroethane	ND	40	9.6	ug/l	
67-66-3	Chloroform	ND	20	5.6	ug/l	
75-15-0	Carbon disulfide	ND	40	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	4.8	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	11	ug/l	
107-06-2	1,2-Dichloroethane	31.0	20	6.8	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	4.2	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	9.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	157	20	8.6	ug/l	
591-78-6	2-Hexanone	ND	200	100	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	40	ug/l	
74-83-9	Methyl bromide	ND	40	16	ug/l	
74-87-3	Methyl chloride	ND	40	12	ug/l	
75-09-2	Methylene chloride [a]	52.5	100	20	ug/l	J
78-93-3	Methyl ethyl ketone	42.3	100	40	ug/l	J
100-42-5	Styrene	ND	20	7.2	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	5.2	ug/l	
127-18-4	Tetrachloroethylene	ND	20	4.4	ug/l	
108-88-3	Toluene	354	20	7.0	ug/l	
79-01-6	Trichloroethylene	ND	20	6.4	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-MWA		
Lab Sample ID:	F64016-2	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
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	6.0	ug/l	
1330-20-7	Xylene (total)	1430	60	23	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	102%		76-127%
2037-26-5	Toluene-D8	99%		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:	USTHPFF-MWA		
Lab Sample ID:	F64016-2	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061140.D	1	03/26/09	FEA	03/19/09	OP28417	GEE2226
Run #2 [a]	EE061171.D	2	03/27/09	FEA	03/19/09	OP28417	GEE2227

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	118 [b]	3.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	24.6	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	38.4	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.95	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	104%	97%	43-121%
92-94-4	p-Terphenyl	95%	92%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFFC-MW12		
Lab Sample ID:	F64016-3	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033952.D	1	03/30/09	MM	n/a	n/a	VN1393
Run #2	B059221.D	50	03/31/09	AJ	n/a	n/a	VB2482

	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	2750 [a]	50	20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	36.6	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	8.4	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	35.1	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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:	F64016-3	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	8.1	3.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	109%	76-127%
2037-26-5	Toluene-D8	99%	108%	86-112%
460-00-4	4-Bromofluorobenzene	105%	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:	USTHPFFC-MW12		
Lab Sample ID:	F64016-3	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048358.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	94%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW12D		
Lab Sample ID:	F64016-4	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059225.D	50	03/31/09	AJ	n/a	n/a	VB2482
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	3010	50	20	ug/l	
75-27-4	Bromodichloromethane	ND	50	10	ug/l	
75-25-2	Bromoform	ND	50	17	ug/l	
108-90-7	Chlorobenzene	ND	50	11	ug/l	
75-00-3	Chloroethane	ND	100	24	ug/l	
67-66-3	Chloroform	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	100	20	ug/l	
56-23-5	Carbon tetrachloride	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	12	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	27	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	17	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	11	ug/l	
124-48-1	Dibromochloromethane	ND	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	35.8	50	10	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	ND	50	22	ug/l	
591-78-6	2-Hexanone	ND	500	250	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	100	ug/l	
74-83-9	Methyl bromide	ND	100	39	ug/l	
74-87-3	Methyl chloride	ND	100	31	ug/l	
75-09-2	Methylene chloride [a]	257	250	50	ug/l	B
78-93-3	Methyl ethyl ketone	ND	250	100	ug/l	
100-42-5	Styrene	ND	50	18	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	17	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	13	ug/l	
127-18-4	Tetrachloroethylene	ND	50	11	ug/l	
108-88-3	Toluene	36.7	50	18	ug/l	J
79-01-6	Trichloroethylene	ND	50	16	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-MW12D		
Lab Sample ID:	F64016-4	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
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	15	ug/l	
1330-20-7	Xylene (total)	ND	150	58	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	107%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

(a) CCV outside of control limits; results may be biased high; 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-MW12D		
Lab Sample ID:	F64016-4	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048359.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		43-121%
92-94-4	p-Terphenyl	90%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-RW01		
Lab Sample ID:	F64016-5	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033958.D	5	03/30/09	MM	n/a	n/a	VN1393
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	230	130	50	ug/l	
71-43-2	Benzene	210	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	8.4	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	2.3	5.0	1.1	ug/l	J
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	4.3	5.0	2.2	ug/l	J
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	ug/l	
75-09-2	Methylene chloride [a]	14.4	25	5.0	ug/l	J
78-93-3	Methyl ethyl ketone	58.0	25	10	ug/l	
100-42-5	Styrene	ND	5.0	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	86.6	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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-RW01		
Lab Sample ID:	F64016-5	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
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	1.5	ug/l	
1330-20-7	Xylene (total)	44.5	15	5.8	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	102%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	105%		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-RW01		
Lab Sample ID:	F64016-5	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048360.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	ND	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	87%		30-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW17		
Lab Sample ID:	F64016-6	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033959.D	500	03/30/09	MM	n/a	n/a	VN1393
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	5700	500	200	ug/l	
75-27-4	Bromodichloromethane	ND	500	100	ug/l	
75-25-2	Bromoform	ND	500	170	ug/l	
108-90-7	Chlorobenzene	ND	500	110	ug/l	
75-00-3	Chloroethane	ND	1000	240	ug/l	
67-66-3	Chloroform	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	1000	200	ug/l	
56-23-5	Carbon tetrachloride	ND	500	110	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	120	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	270	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	170	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	110	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	110	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	230	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	2760	500	220	ug/l	
591-78-6	2-Hexanone	ND	5000	2500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1000	ug/l	
74-83-9	Methyl bromide	ND	1000	390	ug/l	
74-87-3	Methyl chloride	ND	1000	310	ug/l	
75-09-2	Methylene chloride [a]	1320	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
100-42-5	Styrene	ND	500	180	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	170	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	110	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	130	ug/l	
127-18-4	Tetrachloroethylene	ND	500	110	ug/l	
108-88-3	Toluene	25600	500	180	ug/l	
79-01-6	Trichloroethylene	ND	500	160	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-MW17		
Lab Sample ID:	F64016-6	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
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	150	ug/l	
1330-20-7	Xylene (total)	9660	1500	580	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	103%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	105%		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-MW17		
Lab Sample ID:	F64016-6	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048361.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
Run #2 [a]	EE061141.D	5	03/26/09	FEA	03/19/09	OP28417	GEE2226

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND [b]	9.6	4.8	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	297 [b]	9.6	4.8	ug/l	
90-12-0	1-Methylnaphthalene	29.6 [b]	9.6	2.4	ug/l	
91-57-6	2-Methylnaphthalene	65.9 [b]	9.6	2.4	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%	79%	43-121%
92-94-4	p-Terphenyl	92%	79%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFFC-MW08		
Lab Sample ID:	F64016-7	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033960.D	100	03/30/09	MM	n/a	n/a	VN1393
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	6240	100	40	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	542	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	ug/l	
75-09-2	Methylene chloride [a]	398	500	100	ug/l	J
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	1820	100	35	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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:	F64016-7	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
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	30	ug/l	
1330-20-7	Xylene (total)	1990	300	120	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	102%		76-127%
2037-26-5	Toluene-D8	100%		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 Laboratories

Report of Analysis

Client Sample ID:	USTHPFFC-MW08		
Lab Sample ID:	F64016-7	**Date Sampled:**	03/17/09
Matrix:	AQ - Ground Water	**Date Received:**	03/18/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA048362.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
Run #2 [a]	EE061142.D	4	03/26/09	FEA	03/19/09	OP28417	GEE2226

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	210 [b]	7.7	3.8	ug/l	
90-12-0	1-Methylnaphthalene	24.2	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	42.4	1.9	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%	76%	43-121%
92-94-4	p-Terphenyl	87%	76%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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: USTHPFF-TB-031709
Lab Sample ID: F64016-8
Matrix: AQ - Trip Blank Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 03/17/09
Date Received: 03/18/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0033955.D	1	03/30/09	MM	n/a	n/a	VN1393
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-TB-031709		
Lab Sample ID:	F64016-8	**Date Sampled:**	03/17/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/18/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	102%		76-127%
2037-26-5	Toluene-D8	101%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

COC Number: 125709-HPFF-031709 F64016

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	Mark Pisarcik

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: VOC 8260	Analysis Desired: PAH 610
1	USTHPFFC-MW24	3/17/09	9:20		X	USTHPFFC-MW24	5	X	X
2	USTHPFF-MWA	3/17/09	10:20		X	USTHPFF-MWA	5	X	X
3	USTHPFFC-MW12	3/17/09	11:20		X	USTHPFFC-MW12	5	X	X
4	USTHPFFC-MW12D	3/17/09	11:20		X	USTHPFFC-MW12D	5	X	X
5	USTHPFF-RW01	3/17/09	13:20		X	USTHPFF-RW01	5	X	X
6	USTHPFF-MW17	3/17/09	14:10		X	USTHPFF-MW17	5	X	X
7	USTHPFFC-MW08	3/17/09	15:00		X	USTHPFFC-MW08	5	X	X
8	USTHPFF-TB-031709	3/17/09			X	USTHPFF-TB-031309	2	X	
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1--8	[signature]	FedEx 845909676971	3/17/09	17:00	14 Day TAT
2		[signature] 3/18/09 9:10	[signature] Accutest	3/18/09	9:10	FedEx 845909677095
3						

2.8 3.0

F64016: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F64016 CLIENT: Shaw PROJECT: Camp LeJeune

DATE/TIME RECEIVED: 3/18/09 9:00 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 2.8 3.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 845909676971

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)
- [ ] 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 ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 3/18/09 TECHNICIAN SIGNATURE/DATE: 3-18-09

ASBD 12/17/07

F64016: 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: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1393-MB	N0033948.D	1	03/30/09	MM	n/a	n/a	VN1393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-2, F64016-3, F64016-5, F64016-6, F64016-7, F64016-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1393-MB	N0033948.D	1	03/30/09	MM	n/a	n/a	VN1393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-2, F64016-3, F64016-5, F64016-6, F64016-7, F64016-8

CAS No.	Surrogate Recoveries		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	105%	84-120%

Method Blank Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2482-MB	B059217.D	1	03/31/09	AJ	n/a	n/a	VB2482

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-1, F64016-3, F64016-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
75-09-2	Methylene chloride	5.9	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2482-MB	B059217.D	1	03/31/09	AJ	n/a	n/a	VB2482

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-1, F64016-3, F64016-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	76-127%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	109%	84-120%

Blank Spike Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1393-BS	N0033947.D	1	03/30/09	MM	n/a	n/a	VN1393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-2, F64016-3, F64016-5, F64016-6, F64016-7, F64016-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	138	110	59-134
71-43-2	Benzene	25	26.7	107	83-124
75-27-4	Bromodichloromethane	25	25.5	102	76-116
75-25-2	Bromoform	25	23.7	95	68-128
108-90-7	Chlorobenzene	25	25.6	102	87-115
75-00-3	Chloroethane	25	30.3	121	54-166
67-66-3	Chloroform	25	28.4	114	85-123
75-15-0	Carbon disulfide	25	25.5	102	67-147
56-23-5	Carbon tetrachloride	25	26.8	107	74-139
75-34-3	1,1-Dichloroethane	25	30.0	120	82-127
75-35-4	1,1-Dichloroethylene	25	28.3	113	75-133
107-06-2	1,2-Dichloroethane	25	25.8	103	76-122
78-87-5	1,2-Dichloropropane	25	27.0	108	81-120
124-48-1	Dibromochloromethane	25	24.7	99	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.1	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	28.1	112	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.3	113	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.1	116	87-123
100-41-4	Ethylbenzene	25	26.7	107	87-118
591-78-6	2-Hexanone	125	118	94	58-125
108-10-1	4-Methyl-2-pentanone	125	121	97	62-125
74-83-9	Methyl bromide	25	30.6	122	55-151
74-87-3	Methyl chloride	25	33.2	133	55-173
75-09-2	Methylene chloride	25	25.4	102	69-125
78-93-3	Methyl ethyl ketone	125	119	95	61-127
100-42-5	Styrene	25	25.9	104	78-118
71-55-6	1,1,1-Trichloroethane	25	27.7	111	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.1	100	71-120
79-00-5	1,1,2-Trichloroethane	25	25.1	100	80-114
127-18-4	Tetrachloroethylene	25	26.7	107	80-131
108-88-3	Toluene	25	26.8	107	86-116
79-01-6	Trichloroethylene	25	28.8	115	85-124
75-01-4	Vinyl chloride	25	28.3	113	57-153
1330-20-7	Xylene (total)	75	79.5	106	86-120

Blank Spike Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1393-BS	N0033947.D	1	03/30/09	MM	n/a	n/a	VN1393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-2, F64016-3, F64016-5, F64016-6, F64016-7, F64016-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2482-BS	B059216.D	1	03/31/09	AJ	n/a	n/a	VB2482

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-1, F64016-3, F64016-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	112	90	59-134
71-43-2	Benzene	25	27.6	110	83-124
75-27-4	Bromodichloromethane	25	24.6	98	76-116
75-25-2	Bromoform	25	19.7	79	68-128
108-90-7	Chlorobenzene	25	26.0	104	87-115
75-00-3	Chloroethane	25	32.2	129	54-166
67-66-3	Chloroform	25	27.4	110	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	29.7	119	82-127
75-35-4	1,1-Dichloroethylene	25	31.3	125	75-133
107-06-2	1,2-Dichloroethane	25	25.9	104	76-122
78-87-5	1,2-Dichloropropane	25	26.9	108	81-120
124-48-1	Dibromochloromethane	25	24.1	96	74-116
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.8	107	83-119
156-60-5	trans-1,2-Dichloroethylene	25	29.5	118	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.3	113	87-123
100-41-4	Ethylbenzene	25	27.0	108	87-118
591-78-6	2-Hexanone	125	125	100	58-125
108-10-1	4-Methyl-2-pentanone	125	136	109	62-125
74-83-9	Methyl bromide	25	35.9	144	55-151
74-87-3	Methyl chloride	25	42.1	168	55-173
75-09-2	Methylene chloride	25	32.8	131*	69-125
78-93-3	Methyl ethyl ketone	125	114	91	61-127
100-42-5	Styrene	25	25.5	102	78-118
71-55-6	1,1,1-Trichloroethane	25	28.0	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.7	103	71-120
79-00-5	1,1,2-Trichloroethane	25	26.1	104	80-114
127-18-4	Tetrachloroethylene	25	24.1	96	80-131
108-88-3	Toluene	25	27.9	112	86-116
79-01-6	Trichloroethylene	25	25.1	100	85-124
75-01-4	Vinyl chloride	25	33.6	134	57-153
1330-20-7	Xylene (total)	75	80.6	107	86-120

Blank Spike Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2482-BS	B059216.D	1	03/31/09	AJ	n/a	n/a	VB2482

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-1, F64016-3, F64016-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64022-5MS	N0033953.D	1	03/30/09	MM	n/a	n/a	VN1393
F64022-5MSD	N0033954.D	1	03/30/09	MM	n/a	n/a	VN1393
F64022-5	N0033950.D	1	03/30/09	MM	n/a	n/a	VN1393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-2, F64016-3, F64016-5, F64016-6, F64016-7, F64016-8

CAS No.	Compound	F64022-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	119	95	124	99	4	59-134/14
71-43-2	Benzene	ND		25	27.5	110	27.3	109	1	83-124/11
75-27-4	Bromodichloromethane	ND		25	25.2	101	25.5	102	1	76-116/10
75-25-2	Bromoform	ND		25	22.0	88	23.2	93	5	68-128/11
108-90-7	Chlorobenzene	ND		25	25.4	102	25.8	103	2	87-115/9
75-00-3	Chloroethane	ND		25	32.3	129	32.1	128	1	54-166/20
67-66-3	Chloroform	ND		25	28.0	112	28.8	115	3	85-123/10
75-15-0	Carbon disulfide	ND		25	27.8	111	28.8	115	4	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.9	104	26.2	105	1	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	30.0	120	30.7	123	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.7	123	31.7	127	3	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	26.4	106	26.9	108	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.3	109	27.8	111	2	81-120/11
124-48-1	Dibromochloromethane	ND		25	23.3	93	23.6	94	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.4	98	25.0	100	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	27.1	108	27.4	110	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	30.6	122	31.5	126	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	28.7	115	29.3	117	2	87-123/10
100-41-4	Ethylbenzene	ND		25	26.5	106	27.1	108	2	87-118/10
591-78-6	2-Hexanone	ND		125	129	103	132	106	2	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		125	131	105	135	108	3	62-125/13
74-83-9	Methyl bromide	ND		25	35.6	142	34.9	140	2	55-151/21
74-87-3	Methyl chloride	ND		25	35.1	140	35.6	142	1	55-173/22
75-09-2	Methylene chloride	1.2	J	25	26.8	102	27.8	106	4	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	105	84	107	86	2	61-127/13
100-42-5	Styrene	ND		25	24.5	98	25.2	101	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		25	26.7	107	26.9	108	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	25.1	100	25.8	103	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.4	98	25.5	102	4	80-114/11
127-18-4	Tetrachloroethylene	ND		25	25.2	101	25.8	103	2	80-131/12
108-88-3	Toluene	ND		25	25.9	104	26.3	105	2	86-116/10
79-01-6	Trichloroethylene	ND		25	28.5	114	28.6	114	0	85-124/10
75-01-4	Vinyl chloride	ND		25	29.7	119	29.3	117	1	57-153/22
1330-20-7	Xylene (total)	ND		75	77.6	103	78.5	105	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64022-5MS	N0033953.D	1	03/30/09	MM	n/a	n/a	VN1393
F64022-5MSD	N0033954.D	1	03/30/09	MM	n/a	n/a	VN1393
F64022-5	N0033950.D	1	03/30/09	MM	n/a	n/a	VN1393

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-2, F64016-3, F64016-5, F64016-6, F64016-7, F64016-8

CAS No.	Surrogate Recoveries	MS	MSD	F64022-5	Limits
1868-53-7	Dibromofluoromethane	99%	99%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	107%	103%	76-127%
2037-26-5	Toluene-D8	96%	99%	101%	86-112%
460-00-4	4-Bromofluorobenzene	99%	100%	105%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64123-14MS	B059226.D	1	03/31/09	AJ	n/a	n/a	VB2482
F64123-14MSD	B059227.D	1	03/31/09	AJ	n/a	n/a	VB2482
F64123-14	B059223.D	1	03/31/09	AJ	n/a	n/a	VB2482

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-1, F64016-3, F64016-4

CAS No.	Compound	F64123-14 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	89.9	72	89.2	71	1	59-134/14
71-43-2	Benzene	1.0 U		25	28.0	112	27.4	110	2	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	23.7	95	23.6	94	0	76-116/10
75-25-2	Bromoform	1.0 U		25	18.8	75	19.1	76	2	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	25.1	100	24.9	100	1	87-115/9
75-00-3	Chloroethane	2.0 U		25	32.6	130	32.2	129	1	54-166/20
67-66-3	Chloroform	1.0 U		25	27.1	108	26.7	107	1	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	27.9	112	27.5	110	1	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	25.9	104	25.6	102	1	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	30.9	124	30.2	121	2	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	32.8	131	32.8	131	0	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	26.3	105	26.0	104	1	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	27.4	110	26.8	107	2	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	23.7	95	23.5	94	1	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.1	100	24.8	99	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	25.9	104	25.4	102	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	29.9	120	28.9	116	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	27.3	109	27.5	110	1	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	26.4	106	26.3	105	0	87-118/10
591-78-6	2-Hexanone	10 U		125	111	89	114	91	3	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	139	111	139	111	0	62-125/13
74-83-9	Methyl bromide	2.0 U		25	33.3	133	32.7	131	2	55-151/21
74-87-3	Methyl chloride	2.0 U		25	43.4	174*	44.0	176*	1	55-173/22
75-09-2	Methylene chloride	3.7	I	25	31.5	111	31.6	112	0	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	105	84	104	83	1	61-127/13
100-42-5	Styrene	1.0 U		25	24.1	96	24.3	97	1	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	27.3	109	26.5	106	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	24.9	100	25.5	102	2	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.8	103	25.5	102	1	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	23.7	95	23.4	94	1	80-131/12
108-88-3	Toluene	1.0 U		25	27.7	111	27.2	109	2	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	25.1	100	24.5	98	2	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	33.6	134	33.9	136	1	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	78.5	105	78.5	105	0	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64123-14MS	B059226.D	1	03/31/09	AJ	n/a	n/a	VB2482
F64123-14MSD	B059227.D	1	03/31/09	AJ	n/a	n/a	VB2482
F64123-14	B059223.D	1	03/31/09	AJ	n/a	n/a	VB2482

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64016-1, F64016-3, F64016-4

CAS No.	Surrogate Recoveries	MS	MSD	F64123-14	Limits
1868-53-7	Dibromofluoromethane	104%	104%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	116%	111%	110%	76-127%
2037-26-5	Toluene-D8	108%	106%	108%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	108%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MB	AA048343.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935

The QC reported here applies to the following samples: **Method:** EPA 610

F64016-1, F64016-2, F64016-3, F64016-4, F64016-5, F64016-6, F64016-7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	43-121%
92-94-4	p-Terphenyl	91%	30-122%

Method Blank Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MB	EE061133.D	1	03/26/09	FEA	03/19/09	OP28417	GEE2226

The QC reported here applies to the following samples: **Method:** EPA 610

F64016-1, F64016-2, F64016-3, F64016-4, F64016-5, F64016-6, F64016-7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	80%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Method Blank Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MB	EE061168.D	1	03/27/09	FEA	03/19/09	OP28417	GEE2227

The QC reported here applies to the following samples: **Method:** EPA 610

F64016-1, F64016-2, F64016-3, F64016-4, F64016-5, F64016-6, F64016-7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	43-121%
92-94-4	p-Terphenyl	92%	30-122%

Blank Spike Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-BS	AA048342.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935

The QC reported here applies to the following samples: **Method:** EPA 610

F64016-1, F64016-2, F64016-3, F64016-4, F64016-5, F64016-6, F64016-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	17.5	88	60-102
208-96-8	Acenaphthylene	20	18.5	93	66-108
120-12-7	Anthracene	10	9.4	94	64-107
56-55-3	Benzo(a)anthracene	10	9.9	99	70-108
50-32-8	Benzo(a)pyrene	10	10	100	72-115
205-99-2	Benzo(b)fluoranthene	10	10.3	103	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.8	98	69-113
207-08-9	Benzo(k)fluoranthene	10	10.6	106	70-111
218-01-9	Chrysene	10	10.1	101	71-111
53-70-3	Dibenzo(a,h)anthracene	10	10.1	101	71-114
206-44-0	Fluoranthene	20	19.2	96	68-110
86-73-7	Fluorene	20	18.3	92	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.5	95	69-110
91-20-3	Naphthalene	20	15.7	79	55-94
90-12-0	1-Methylnaphthalene	20	16.1	81	55-97
91-57-6	2-Methylnaphthalene	20	15.8	79	51-97
85-01-8	Phenanthrene	20	19.4	97	67-108
129-00-0	Pyrene	20	19.5	98	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	43-121%
92-94-4	p-Terphenyl	100%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64016
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28417-MS	AA048349.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
OP28417-MSD	AA048350.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935
F63961-2	AA048348.D	1	03/25/09	FEA	03/19/09	OP28417	GAA1935

The QC reported here applies to the following samples: **Method:** EPA 610

F64016-1, F64016-2, F64016-3, F64016-4, F64016-5, F64016-6, F64016-7

CAS No.	Compound	F63961-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	33.7	88	31.5	85	7	60-102/33
208-96-8	Acenaphthylene	ND		38.5	35.8	93	33.5	90	7	66-108/32
120-12-7	Anthracene	ND		19.2	17.8	93	16.6	90	7	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	18.7	97	17.6	95	6	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	18.5	96	17.3	93	7	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	19.4	101	18.4	99	5	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	18.5	96	17.4	94	6	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	19.3	100	18.0	97	7	70-111/21
218-01-9	Chrysene	ND		19.2	19.0	99	17.9	97	6	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	19.0	99	17.8	96	7	71-114/23
206-44-0	Fluoranthene	ND		38.5	36.5	95	34.2	92	7	68-110/17
86-73-7	Fluorene	ND		38.5	35.1	91	32.8	89	7	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	18.2	95	17.1	92	6	69-110/22
91-20-3	Naphthalene	ND		38.5	29.6	77	27.5	74	7	55-94/28
90-12-0	1-Methylnaphthalene	ND		38.5	31.1	81	29.0	78	7	55-97/29
91-57-6	2-Methylnaphthalene	ND		38.5	30.7	80	28.5	77	7	51-97/25
85-01-8	Phenanthrene	ND		38.5	37.1	96	34.8	94	6	67-108/22
129-00-0	Pyrene	ND		38.5	37.0	96	34.7	94	6	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F63961-2	Limits
84-15-1	o-Terphenyl	87%	87%	84%	43-121%
92-94-4	p-Terphenyl	96%	96%	84%	30-122%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/03/09



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F64101

Sampling Dates: 03/18/09 - 03/19/09

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: **51**

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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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Sample Summary

Shaw E & I, Inc.

Job No: F64101

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F64101-1	03/18/09	10:30	JM	03/20/09	AQ	Ground Water	IR78-GW22-1
F64101-2	03/18/09	11:00	JM	03/20/09	AQ	Ground Water	USTHPFF-10R
F64101-3	03/19/09	09:10	JM	03/20/09	AQ	Ground Water	USTHPFF-MW02
F64101-4	03/19/09	09:50	JM	03/20/09	AQ	Ground Water	USTHPFF-MW06
F64101-5	03/19/09	11:00	JM	03/20/09	AQ	Ground Water	USTHPFFC-MW20
F64101-6	03/19/09	11:45	JM	03/20/09	AQ	Ground Water	USTHPFFC-MW41
F64101-7	03/19/09	12:45	JM	03/20/09	AQ	Ground Water	USTHPFF-RW04
F64101-8	03/19/09	00:00	JM	03/20/09	AQ	Trip Blank Water	USTHPFF-TB-031909

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	IR78-GW22-1		
Lab Sample ID:	F64101-1	**Date Sampled:**	03/18/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J046048.D	25	04/01/09	KW	n/a	n/a	VJ2798
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	630	250	ug/l	
71-43-2	Benzene	1780	25	10	ug/l	
75-27-4	Bromodichloromethane	ND	25	5.0	ug/l	
75-25-2	Bromoform	ND	25	8.3	ug/l	
108-90-7	Chlorobenzene	ND	25	5.5	ug/l	
75-00-3	Chloroethane	ND	50	12	ug/l	
67-66-3	Chloroform	ND	25	7.0	ug/l	
75-15-0	Carbon disulfide	ND	50	10	ug/l	
56-23-5	Carbon tetrachloride	ND	25	5.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	6.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	25	14	ug/l	
107-06-2	1,2-Dichloroethane	82.4	25	8.5	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	25	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	25	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	5.3	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	25	11	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	5.3	ug/l	
100-41-4	Ethylbenzene	257	25	11	ug/l	
591-78-6	2-Hexanone	ND	250	130	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	130	50	ug/l	
74-83-9	Methyl bromide	ND	50	20	ug/l	
74-87-3	Methyl chloride	ND	50	15	ug/l	
75-09-2	Methylene chloride [a]	48.8	130	25	ug/l	J
78-93-3	Methyl ethyl ketone	ND	130	50	ug/l	
100-42-5	Styrene	ND	25	9.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	8.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	5.3	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	6.5	ug/l	
127-18-4	Tetrachloroethylene	ND	25	5.5	ug/l	
108-88-3	Toluene	1760	25	8.8	ug/l	
79-01-6	Trichloroethylene	ND	25	8.0	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-GW22-1		
Lab Sample ID:	F64101-1	**Date Sampled:**	03/18/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
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	25	7.5	ug/l	
1330-20-7	Xylene (total)	709	75	29	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	100%		86-112%
460-00-4	4-Bromofluorobenzene	110%		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:	IR78-GW22-1		
Lab Sample ID:	F64101-1	**Date Sampled:**	03/18/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061153.D	1	03/26/09	FEA	03/25/09	OP28487	GEE2226
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	16.4	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	1.5	1.9	0.49	ug/l	J
91-57-6	2-Methylnaphthalene	ND	1.9	1.9	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		43-121%
92-94-4	p-Terphenyl	78%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-10R		
Lab Sample ID:	F64101-2	**Date Sampled:**	03/18/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J046049.D	25	04/01/09	KW	n/a	n/a	VJ2798
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	630	250	ug/l	
71-43-2	Benzene	570	25	10	ug/l	
75-27-4	Bromodichloromethane	ND	25	5.0	ug/l	
75-25-2	Bromoform	ND	25	8.3	ug/l	
108-90-7	Chlorobenzene	ND	25	5.5	ug/l	
75-00-3	Chloroethane	ND	50	12	ug/l	
67-66-3	Chloroform	ND	25	7.0	ug/l	
75-15-0	Carbon disulfide	ND	50	10	ug/l	
56-23-5	Carbon tetrachloride	ND	25	5.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	6.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	25	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	8.5	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	25	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	25	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	5.3	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	25	11	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	5.3	ug/l	
100-41-4	Ethylbenzene	441	25	11	ug/l	
591-78-6	2-Hexanone	ND	250	130	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	130	50	ug/l	
74-83-9	Methyl bromide	ND	50	20	ug/l	
74-87-3	Methyl chloride	ND	50	15	ug/l	
75-09-2	Methylene chloride [a]	39.8	130	25	ug/l	J
78-93-3	Methyl ethyl ketone	ND	130	50	ug/l	
100-42-5	Styrene	ND	25	9.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	8.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	5.3	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	6.5	ug/l	
127-18-4	Tetrachloroethylene	ND	25	5.5	ug/l	
108-88-3	Toluene	590	25	8.8	ug/l	
79-01-6	Trichloroethylene	ND	25	8.0	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-10R		
Lab Sample ID:	F64101-2	**Date Sampled:**	03/18/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
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	25	7.5	ug/l	
1330-20-7	Xylene (total)	2620	75	29	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	101%		86-112%
460-00-4	4-Bromofluorobenzene	109%		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-10R		
Lab Sample ID:	F64101-2	**Date Sampled:**	03/18/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061154.D	1	03/26/09	FEA	03/25/09	OP28487	GEE2226
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.25	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.11	0.19	0.048	ug/l	J
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.19	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.76	1.9	0.48	ug/l	J
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	79.6	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	24.1	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	56.6	1.9	0.48	ug/l	
85-01-8	Phenanthrene	2.2	1.9	0.96	ug/l	
129-00-0	Pyrene	1.2	1.9	0.48	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		43-121%
92-94-4	p-Terphenyl	63%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-MW02		
Lab Sample ID:	F64101-3	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J046029.D	500	03/31/09	KW	n/a	n/a	VJ2797
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	5840	500	200	ug/l	
75-27-4	Bromodichloromethane	ND	500	100	ug/l	
75-25-2	Bromoform	ND	500	170	ug/l	
108-90-7	Chlorobenzene	ND	500	110	ug/l	
75-00-3	Chloroethane	ND	1000	240	ug/l	
67-66-3	Chloroform	ND	500	140	ug/l	
75-15-0	Carbon disulfide	ND	1000	200	ug/l	
56-23-5	Carbon tetrachloride	ND	500	110	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	120	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	270	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	170	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	110	ug/l	
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	110	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	230	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	990	500	220	ug/l	
591-78-6	2-Hexanone	ND	5000	2500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1000	ug/l	
74-83-9	Methyl bromide	ND	1000	390	ug/l	
74-87-3	Methyl chloride	ND	1000	310	ug/l	
75-09-2	Methylene chloride [a]	1380	2500	500	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
100-42-5	Styrene	ND	500	180	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	170	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	110	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	130	ug/l	
127-18-4	Tetrachloroethylene	ND	500	110	ug/l	
108-88-3	Toluene	27700	500	180	ug/l	
79-01-6	Trichloroethylene	ND	500	160	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-MW02		
Lab Sample ID:	F64101-3	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
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	150	ug/l	
1330-20-7	Xylene (total)	12600	1500	580	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	99%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

(a) Associated BS recovery outside control limits. 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-MW02		
Lab Sample ID:	F64101-3	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061157.D	1	03/27/09	FEA	03/25/09	OP28487	GEE2226
Run #2 [a]	EE061173.D	10	03/27/09	FEA	03/25/09	OP28487	GEE2227

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1030 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND [b]	19	9.7	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	760 [b]	19	9.7	ug/l	
90-12-0	1-Methylnaphthalene	66.1 [b]	19	4.9	ug/l	
91-57-6	2-Methylnaphthalene	173 [b]	19	4.9	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%	84%	43-121%
92-94-4	p-Terphenyl	72%	71%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFF-MW06		
Lab Sample ID:	F64101-4	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J046030.D	2	03/31/09	KW	n/a	n/a	VJ2797
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	68.7	50	20	ug/l	
71-43-2	Benzene	196	2.0	0.80	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.40	ug/l	
75-25-2	Bromoform	ND	2.0	0.66	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.44	ug/l	
75-00-3	Chloroethane	ND	4.0	0.96	ug/l	
67-66-3	Chloroform	ND	2.0	0.56	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.80	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.44	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.48	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	1.1	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.68	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.42	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.90	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	29.4	2.0	0.86	ug/l	
591-78-6	2-Hexanone	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.6	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.2	ug/l	
75-09-2	Methylene chloride [a]	5.4	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	0.72	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.66	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.52	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.44	ug/l	
108-88-3	Toluene	22.5	2.0	0.70	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.64	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:	F64101-4	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
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	0.60	ug/l	
1330-20-7	Xylene (total)	57.4	6.0	2.3	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	100%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

(a) Associated BS recovery outside control limits. 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-MW06		
Lab Sample ID:	F64101-4	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061174.D	1	03/27/09	FEA	03/25/09	OP28487	GEE2227
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	1.7	1.9	0.97	ug/l	J
90-12-0	1-Methylnaphthalene	11.6	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	36.7	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		43-121%
92-94-4	p-Terphenyl	77%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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:	F64101-5	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J046050.D	100	04/01/09	KW	n/a	n/a	VJ2798
Run #2	J046084.D	500	04/02/09	KW	n/a	n/a	VJ2800

	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	2500	1000	ug/l	
71-43-2	Benzene	4560	100	40	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	33	ug/l	
108-90-7	Chlorobenzene	ND	100	22	ug/l	
75-00-3	Chloroethane	ND	200	48	ug/l	
67-66-3	Chloroform	ND	100	28	ug/l	
75-15-0	Carbon disulfide	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	54	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	34	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	21	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1500	100	43	ug/l	
591-78-6	2-Hexanone	ND	1000	500	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	500	200	ug/l	
74-83-9	Methyl bromide	ND	200	78	ug/l	
74-87-3	Methyl chloride	ND	200	61	ug/l	
75-09-2	Methylene chloride [a]	279	500	100	ug/l	J
78-93-3	Methyl ethyl ketone	ND	500	200	ug/l	
100-42-5	Styrene	ND	100	36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	26	ug/l	
127-18-4	Tetrachloroethylene	ND	100	22	ug/l	
108-88-3	Toluene	20800 [b]	500	180	ug/l	
79-01-6	Trichloroethylene	ND	100	32	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:	F64101-5	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
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	30	ug/l	
1330-20-7	Xylene (total)	6600	300	120	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	100%	76-127%
2037-26-5	Toluene-D8	100%	102%	86-112%
460-00-4	4-Bromofluorobenzene	109%	113%	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:	USTHPFFC-MW20		
Lab Sample ID:	F64101-5	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE061159.D	1	03/27/09	FEA	03/25/09	OP28487	GEE2226
Run #2 [a]	EE061175.D	5	03/27/09	FEA	03/25/09	OP28487	GEE2227

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1040 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND [b]	9.6	4.8	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	343 [b]	9.6	4.8	ug/l	
90-12-0	1-Methylnaphthalene	28.3 [b]	9.6	2.4	ug/l	
91-57-6	2-Methylnaphthalene	81.9 [b]	9.6	2.4	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%	95%	43-121%
92-94-4	p-Terphenyl	90%	85%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFFC-MW41		
Lab Sample ID:	F64101-6	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J046051.D	10	04/01/09	KW	n/a	n/a	VJ2798
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	564	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	18.2	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	530	10	4.3	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
75-09-2	Methylene chloride [a]	21.4	50	10	ug/l	J
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	10.6	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	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-MW41		
Lab Sample ID:	F64101-6	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
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	3.0	ug/l	
1330-20-7	Xylene (total)	890	30	12	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	100%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	105%		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-MW41		
Lab Sample ID:	F64101-6	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061160.D	1	03/27/09	FEA	03/25/09	OP28487	GEE2226
Run #2 [a]	EE061176.D	2	03/27/09	FEA	03/25/09	OP28487	GEE2227

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1030 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.97	ug/l	
120-12-7	Anthracene	ND	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.049	ug/l	
218-01-9	Chrysene	ND	1.9	0.49	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.049	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.49	ug/l	
86-73-7	Fluorene	ND	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.049	ug/l	
91-20-3	Naphthalene	109 [b]	3.9	1.9	ug/l	
90-12-0	1-Methylnaphthalene	8.2	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	19.0	1.9	0.49	ug/l	
85-01-8	Phenanthrene	ND	1.9	0.97	ug/l	
129-00-0	Pyrene	ND	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%	78%	43-121%
92-94-4	p-Terphenyl	77%	76%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.
(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:	USTHPFF-RW04		
Lab Sample ID:	F64101-7	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J046034.D	5	03/31/09	KW	n/a	n/a	VJ2797
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	329	5.0	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	1.8	5.0	1.4	ug/l	J
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
107-06-2	1,2-Dichloroethane	17.1	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	104	5.0	2.2	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	ug/l	
75-09-2	Methylene chloride [a]	10.7	25	5.0	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
100-42-5	Styrene	ND	5.0	1.8	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	82.3	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	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-RW04		
Lab Sample ID:	F64101-7	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
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	1.5	ug/l	
1330-20-7	Xylene (total)	110	15	5.8	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	99%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

(a) Associated BS recovery outside control limits. 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-RW04		
Lab Sample ID:	F64101-7	**Date Sampled:**	03/19/09
Matrix:	AQ - Ground Water	**Date Received:**	03/20/09
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE061177.D	1	03/27/09	FEA	03/25/09	OP28487	GEE2227
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	ND	1.9	0.96	ug/l	
120-12-7	Anthracene	ND	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	0.048	ug/l	
218-01-9	Chrysene	ND	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	0.048	ug/l	
206-44-0	Fluoranthene	ND	1.9	0.48	ug/l	
86-73-7	Fluorene	ND	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	0.048	ug/l	
91-20-3	Naphthalene	17.2	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	1.2	1.9	0.48	ug/l	J
91-57-6	2-Methylnaphthalene	1.6	1.9	0.48	ug/l	J
85-01-8	Phenanthrene	ND	1.9	0.96	ug/l	
129-00-0	Pyrene	ND	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		43-121%
92-94-4	p-Terphenyl	71%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value 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-TB-031909		
Lab Sample ID:	F64101-8	**Date Sampled:**	03/19/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/20/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Camp Lejeune-HPFF		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J046052.D	1	04/01/09	KW	n/a	n/a	VJ2798
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	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	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-TB-031909		
Lab Sample ID:	F64101-8	**Date Sampled:**	03/19/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/20/09
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	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	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	100%		76-127%
2037-26-5	Toluene-D8	100%		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:

- Certification Exceptions
- Chain of Custody

F64101

COC Number
125709HPFF-031909

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	Mark Pisarcik		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610
1	IR78-GW22-1	3/18/09	10:30		X	IR78-GW22-1	5	X	X
2	USTHPFF-10R	3/18/09	11:00		X	USTHPFF-10R	5	X	X
3	USTHPFF-MW02	3/19/09	9:10		X	USTHPFF-MW02	5	X	X
4	USTHPFF-MW06	3/19/09	9:50		X	USTHPFF-MW06	5	X	X
5	USTHPFFC-MW20	3/19/09	11:00		X	USTHPFFC-MW20	5	X	X
6	USTHPFFC-MW41	3/19/09	11:45		X	USTHPFFC-MW41	5	X	X
7	USTHPFF-RW04	3/19/09	12:45		X	USTHPFF-RW04	5	X	X
8	USTHPFF-TB-031909	3/19/09			X	USTHPFF-TB-031909	2	X	
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1--8	[signature]	FedEx 845909677084	3/19/09	17:00	14 Day TAT
2		[signature] 3/20/09 9:20	[signature] Accutest 3/20/09 9:20	3/20/09	9:20	
3						

1.6

F64101: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F64101 CLIENT: Shaw PROJECT: Camp LeJeune

DATE/TIME RECEIVED: 3/20/09 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8684 0197 9482

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)
- [ ] 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
- [X] 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 ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: Samp #2 1 vial received broken

TECHNICIAN SIGNATURE/DATE CLR 3/20/09 TECHNICIAN SIGNATURE/DATE 3-20-09 E.T.

ASBD 12/17/07

F64101: 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: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2797-MB	J046015.D	1	03/31/09	KW	n/a	n/a	VJ2797

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-3, F64101-4, F64101-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	1.0	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2797-MB	J046015.D	1	03/31/09	KW	n/a	n/a	VJ2797

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-3, F64101-4, F64101-7

CAS No.	Surrogate Recoveries		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	107%	84-120%

Method Blank Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2798-MB	J046046.D	1	04/01/09	KW	n/a	n/a	VJ2798

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-1, F64101-2, F64101-5, F64101-6, F64101-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2798-MB	J046046.D	1	04/01/09	KW	n/a	n/a	VJ2798

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-1, F64101-2, F64101-5, F64101-6, F64101-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	109%	84-120%

Method Blank Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2800-MB	J046076.D	1	04/02/09	KW	n/a	n/a	VJ2800

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-5

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.35	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	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	115%	84-120%

Blank Spike Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2797-BS	J046016.D	1	03/31/09	KW	n/a	n/a	VJ2797

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-3, F64101-4, F64101-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	144	115	59-134
71-43-2	Benzene	25	26.0	104	83-124
75-27-4	Bromodichloromethane	25	23.7	95	76-116
75-25-2	Bromoform	25	20.2	81	68-128
108-90-7	Chlorobenzene	25	25.4	102	87-115
75-00-3	Chloroethane	25	30.0	120	54-166
67-66-3	Chloroform	25	25.4	102	85-123
75-15-0	Carbon disulfide	25	24.6	98	67-147
56-23-5	Carbon tetrachloride	25	28.4	114	74-139
75-34-3	1,1-Dichloroethane	25	26.3	105	82-127
75-35-4	1,1-Dichloroethylene	25	27.0	108	75-133
107-06-2	1,2-Dichloroethane	25	23.8	95	76-122
78-87-5	1,2-Dichloropropane	25	23.9	96	81-120
124-48-1	Dibromochloromethane	25	23.8	95	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.2	97	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.1	100	83-119
156-60-5	trans-1,2-Dichloroethylene	25	25.7	103	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.1	108	87-123
100-41-4	Ethylbenzene	25	26.3	105	87-118
591-78-6	2-Hexanone	125	136	109	58-125
108-10-1	4-Methyl-2-pentanone	125	123	98	62-125
74-83-9	Methyl bromide	25	29.5	118	55-151
74-87-3	Methyl chloride	25	36.9	148	55-173
75-09-2	Methylene chloride	25	32.6	130*	69-125
78-93-3	Methyl ethyl ketone	125	125	100	61-127
100-42-5	Styrene	25	24.8	99	78-118
71-55-6	1,1,1-Trichloroethane	25	26.6	106	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.4	98	71-120
79-00-5	1,1,2-Trichloroethane	25	23.5	94	80-114
127-18-4	Tetrachloroethylene	25	25.1	100	80-131
108-88-3	Toluene	25	26.0	104	86-116
79-01-6	Trichloroethylene	25	25.0	100	85-124
75-01-4	Vinyl chloride	25	27.8	111	57-153
1330-20-7	Xylene (total)	75	78.6	105	86-120

Blank Spike Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2797-BS	J046016.D	1	03/31/09	KW	n/a	n/a	VJ2797

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-3, F64101-4, F64101-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2798-BS	J046045.D	1	04/01/09	KW	n/a	n/a	VJ2798

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-1, F64101-2, F64101-5, F64101-6, F64101-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	155	124	59-134
71-43-2	Benzene	25	28.5	114	83-124
75-27-4	Bromodichloromethane	25	25.7	103	76-116
75-25-2	Bromoform	25	23.6	94	68-128
108-90-7	Chlorobenzene	25	27.9	112	87-115
75-00-3	Chloroethane	25	30.3	121	54-166
67-66-3	Chloroform	25	27.7	111	85-123
75-15-0	Carbon disulfide	25	27.7	111	67-147
56-23-5	Carbon tetrachloride	25	29.5	118	74-139
75-34-3	1,1-Dichloroethane	25	28.4	114	82-127
75-35-4	1,1-Dichloroethylene	25	30.0	120	75-133
107-06-2	1,2-Dichloroethane	25	25.8	103	76-122
78-87-5	1,2-Dichloropropane	25	26.1	104	81-120
124-48-1	Dibromochloromethane	25	26.3	105	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.1	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.8	111	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.1	112	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.3	117	87-123
100-41-4	Ethylbenzene	25	29.0	116	87-118
591-78-6	2-Hexanone	125	149	119	58-125
108-10-1	4-Methyl-2-pentanone	125	139	111	62-125
74-83-9	Methyl bromide	25	29.7	119	55-151
74-87-3	Methyl chloride	25	33.4	134	55-173
75-09-2	Methylene chloride	25	26.0	104	69-125
78-93-3	Methyl ethyl ketone	125	139	111	61-127
100-42-5	Styrene	25	27.4	110	78-118
71-55-6	1,1,1-Trichloroethane	25	29.3	117	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	27.8	111	71-120
79-00-5	1,1,2-Trichloroethane	25	25.9	104	80-114
127-18-4	Tetrachloroethylene	25	27.9	112	80-131
108-88-3	Toluene	25	29.1	116	86-116
79-01-6	Trichloroethylene	25	27.8	111	85-124
75-01-4	Vinyl chloride	25	27.3	109	57-153
1330-20-7	Xylene (total)	75	86.0	115	86-120

Blank Spike Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2798-BS	J046045.D	1	04/01/09	KW	n/a	n/a	VJ2798

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-1, F64101-2, F64101-5, F64101-6, F64101-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	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	106%	84-120%

Blank Spike Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2800-BS	J046075.D	1	04/02/09	KW	n/a	n/a	VJ2800

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-88-3	Toluene	25	28.7	115	86-116

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	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	109%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64053-1MS	J046025.D	1	03/31/09	KW	n/a	n/a	VJ2797
F64053-1MSD	J046026.D	1	03/31/09	KW	n/a	n/a	VJ2797
F64053-1	J046021.D	1	03/31/09	KW	n/a	n/a	VJ2797

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-3, F64101-4, F64101-7

CAS No.	Compound	F64053-1 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	78.0	62	80.2	64	3	59-134/14
71-43-2	Benzene	1.0 U		25	27.7	111	27.4	110	1	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	24.6	98	24.7	99	0	76-116/10
75-25-2	Bromoform	1.0 U		25	21.5	86	21.0	84	2	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	26.8	107	26.6	106	1	87-115/9
75-00-3	Chloroethane	2.0 U		25	28.9	116	28.8	115	0	54-166/20
67-66-3	Chloroform	1.0 U		25	27.0	108	26.9	108	0	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	26.1	104	25.9	104	1	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	29.6	118	27.6	110	7	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	27.9	112	27.3	109	2	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	28.5	114	28.3	113	1	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	25.0	100	25.1	100	0	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	25.2	101	24.9	100	1	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	25.1	100	25.1	100	0	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.7	103	25.0	100	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	26.4	106	26.5	106	0	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	27.2	109	26.9	108	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	29.0	116	28.1	112	3	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	27.8	111	27.4	110	1	87-118/10
591-78-6	2-Hexanone	10 U		125	116	93	117	94	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	131	105	132	106	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	27.6	110	27.6	110	0	55-151/21
74-87-3	Methyl chloride	2.0 U		25	34.8	139	34.5	138	1	55-173/22
75-09-2	Methylene chloride	5.0 U		25	24.8	99	25.1	100	1	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	96.7	77	98.3	79	2	61-127/13
100-42-5	Styrene	1.0 U		25	26.5	106	25.6	102	3	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	28.4	114	28.3	113	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	26.6	106	26.2	105	2	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.4	102	24.9	100	2	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	26.3	105	25.6	102	3	80-131/12
108-88-3	Toluene	1.0 U		25	28.1	112	27.3	109	3	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	26.3	105	26.1	104	1	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	26.4	106	26.5	106	0	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	83.4	111	81.6	109	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64053-1MS	J046025.D	1	03/31/09	KW	n/a	n/a	VJ2797
F64053-1MSD	J046026.D	1	03/31/09	KW	n/a	n/a	VJ2797
F64053-1	J046021.D	1	03/31/09	KW	n/a	n/a	VJ2797

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-3, F64101-4, F64101-7

CAS No.	Surrogate Recoveries	MS	MSD	F64053-1	Limits
1868-53-7	Dibromofluoromethane	101%	101%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	102%	99%	76-127%
2037-26-5	Toluene-D8	102%	102%	100%	86-112%
460-00-4	4-Bromofluorobenzene	105%	105%	111%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64202-2MS	J046057.D	1	04/01/09	KW	n/a	n/a	VJ2798
F64202-2MSD	J046058.D	1	04/01/09	KW	n/a	n/a	VJ2798
F64202-2	J046055.D	1	04/01/09	KW	n/a	n/a	VJ2798

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-1, F64101-2, F64101-5, F64101-6, F64101-8

CAS No.	Compound	F64202-2 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	146	117	146	117	0	59-134/14
71-43-2	Benzene	1.0 U		25	28.7	115	27.7	111	4	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	26.1	104	25.8	103	1	76-116/10
75-25-2	Bromoform	1.0 U		25	21.3	85	21.8	87	2	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	28.1	112	27.2	109	3	87-115/9
75-00-3	Chloroethane	2.0 U		25	27.4	110	28.2	113	3	54-166/20
67-66-3	Chloroform	1.0 U		25	28.4	114	27.4	110	4	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	27.4	110	26.7	107	3	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	30.5	122	29.4	118	4	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	29.1	116	28.1	112	3	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	29.8	119	29.1	116	2	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	26.4	106	25.7	103	3	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	26.2	105	25.2	101	4	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	25.2	101	25.4	102	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	27.1	108	26.8	107	1	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	28.4	114	27.7	111	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	29.7	119	28.8	115	3	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	29.0	116	28.1	112	3	87-118/10
591-78-6	2-Hexanone	10 U		125	149	119	144	115	3	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	138	110	135	108	2	62-125/13
74-83-9	Methyl bromide	2.0 U		25	31.2	125	29.9	120	4	55-151/21
74-87-3	Methyl chloride	2.0 U		25	29.5	118	28.6	114	3	55-173/22
75-09-2	Methylene chloride	5.0 U		25	26.1	104	25.7	103	2	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	134	107	132	106	2	61-127/13
100-42-5	Styrene	1.0 U		25	27.1	108	26.4	106	3	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	29.3	117	28.4	114	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	26.9	108	26.5	106	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	26.3	105	25.8	103	2	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	26.5	106	26.0	104	2	80-131/12
108-88-3	Toluene	1.0 U		25	29.3	117*	28.0	112	5	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	27.3	109	26.5	106	3	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	23.7	95	23.5	94	1	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	86.7	116	83.8	112	3	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64202-2MS	J046057.D	1	04/01/09	KW	n/a	n/a	VJ2798
F64202-2MSD	J046058.D	1	04/01/09	KW	n/a	n/a	VJ2798
F64202-2	J046055.D	1	04/01/09	KW	n/a	n/a	VJ2798

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-1, F64101-2, F64101-5, F64101-6, F64101-8

CAS No.	Surrogate Recoveries	MS	MSD	F64202-2	Limits
1868-53-7	Dibromofluoromethane	101%	100%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	102%	99%	76-127%
2037-26-5	Toluene-D8	102%	102%	99%	86-112%
460-00-4	4-Bromofluorobenzene	105%	104%	114%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64199-7MS	J046086.D	1	04/02/09	KW	n/a	n/a	VJ2800
F64199-7MSD	J046087.D	1	04/02/09	KW	n/a	n/a	VJ2800
F64199-7	J046085.D	1	04/02/09	KW	n/a	n/a	VJ2800

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64101-5

CAS No.	Compound	F64199-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	1.0	U	25	29.1	116	28.5	114	2	86-116/10

CAS No.	Surrogate Recoveries	MS	MSD	F64199-7	Limits
1868-53-7	Dibromofluoromethane	100%	99%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	103%	101%	76-127%
2037-26-5	Toluene-D8	102%	102%	102%	86-112%
460-00-4	4-Bromofluorobenzene	107%	109%	118%	84-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28487-MB	EE061152.D	1	03/26/09	FEA	03/25/09	OP28487	GEE2226

The QC reported here applies to the following samples: **Method:** EPA 610

F64101-1, F64101-2, F64101-3, F64101-4, F64101-5, F64101-6, F64101-7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	43-121%
92-94-4	p-Terphenyl	94%	30-122%

Method Blank Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28487-MB	EE061172.D	1	03/27/09	FEA	03/25/09	OP28487	GEE2227

The QC reported here applies to the following samples: **Method:** EPA 610

F64101-1, F64101-2, F64101-3, F64101-4, F64101-5, F64101-6, F64101-7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	2.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	2.0	0.50	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	43-121%
92-94-4	p-Terphenyl	94%	30-122%

Blank Spike Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28487-BS	EE061151.D	1	03/26/09	FEA	03/25/09	OP28487	GEE2226

The QC reported here applies to the following samples: **Method:** EPA 610

F64101-1, F64101-2, F64101-3, F64101-4, F64101-5, F64101-6, F64101-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	18.0	90	60-102
208-96-8	Acenaphthylene	20	19.5	98	66-108
120-12-7	Anthracene	10	10.4	104	64-107
56-55-3	Benzo(a)anthracene	10	10.4	104	70-108
50-32-8	Benzo(a)pyrene	10	9.8	98	72-115
205-99-2	Benzo(b)fluoranthene	10	10.4	104	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.8	98	69-113
207-08-9	Benzo(k)fluoranthene	10	10.3	103	70-111
218-01-9	Chrysene	10	10.7	107	71-111
53-70-3	Dibenzo(a,h)anthracene	10	10	100	71-114
206-44-0	Fluoranthene	20	19.9	100	68-110
86-73-7	Fluorene	20	18.8	94	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.3	93	69-110
91-20-3	Naphthalene	20	16.5	83	55-94
90-12-0	1-Methylnaphthalene	20	16.8	84	55-97
91-57-6	2-Methylnaphthalene	20	16.7	84	51-97
85-01-8	Phenanthrene	20	20.2	101	67-108
129-00-0	Pyrene	20	20.0	100	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	43-121%
92-94-4	p-Terphenyl	99%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64101
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28487-MS	EE061162.D	1	03/27/09	FEA	03/25/09	OP28487	GEE2226
OP28487-MSD	EE061163.D	1	03/27/09	FEA	03/25/09	OP28487	GEE2226
F64101-7 [a]	EE061177.D	1	03/27/09	FEA	03/25/09	OP28487	GEE2227

The QC reported here applies to the following samples: **Method:** EPA 610

F64101-1, F64101-2, F64101-3, F64101-4, F64101-5, F64101-6, F64101-7

CAS No.	Compound	F64101-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		38.5	34.5	90	34.2	89	1	60-102/33
208-96-8	Acenaphthylene	ND		38.5	43.4	113*	44.6	116*	3	66-108/32
120-12-7	Anthracene	ND		19.2	19.4	101	19.2	100	1	64-107/28
56-55-3	Benzo(a)anthracene	ND		19.2	19.9	103	19.6	102	2	70-108/19
50-32-8	Benzo(a)pyrene	ND		19.2	18.2	95	17.9	93	2	72-115/20
205-99-2	Benzo(b)fluoranthene	ND		19.2	20.1	105	19.8	103	2	73-111/20
191-24-2	Benzo(g,h,i)perylene	ND		19.2	19.5	101	19.2	100	2	69-113/22
207-08-9	Benzo(k)fluoranthene	ND		19.2	20.2	105	19.7	102	3	70-111/21
218-01-9	Chrysene	ND		19.2	19.6	102	19.3	100	2	71-111/20
53-70-3	Dibenzo(a,h)anthracene	ND		19.2	20.2	105	19.8	103	2	71-114/23
206-44-0	Fluoranthene	ND		38.5	38.5	100	38.2	99	1	68-110/17
86-73-7	Fluorene	ND		38.5	35.2	92	34.9	91	1	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		19.2	18.7	97	18.3	95	2	69-110/22
91-20-3	Naphthalene	17.2		38.5	45.7	74	48.6	82	6	55-94/28
90-12-0	1-Methylnaphthalene	1.2	J	38.5	32.0	80	31.8	80	1	55-97/29
91-57-6	2-Methylnaphthalene	1.6	J	38.5	32.6	81	32.5	80	0	51-97/25
85-01-8	Phenanthrene	ND		38.5	38.0	99	37.8	98	1	67-108/22
129-00-0	Pyrene	ND		38.5	38.4	100	38.1	99	1	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F64101-7	Limits
84-15-1	o-Terphenyl	88%	88%	80%	43-121%
92-94-4	p-Terphenyl	99%	97%	71%	30-122%

(a) All hits confirmed by spectral match using a diode array detector.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/24/09



Technical Report for

Shaw E & I, Inc.

Camp Lejeune-HPFF

125709

Accutest Job Number: F64507

Sampling Date: 04/09/09

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**

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

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Sample Summary

Shaw E & I, Inc.

Job No: F64507

Camp Lejeune-HPFF
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F64507-1	04/09/09	13:00	MP	04/10/09	AQ	Ground Water	UST1115-MW09

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: UST1115-MW09
Lab Sample ID: F64507-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Camp Lejeune-HPFF

Date Sampled: 04/09/09
Date Received: 04/10/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A003183.D	10	04/22/09	TD	n/a	n/a	VA142
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	460	10	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	6.4	10	4.3	ug/l	J
591-78-6	2-Hexanone	ND	100	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
75-09-2	Methylene chloride	15.5	50	10	ug/l	J
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	ND	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	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:	F64507-1	**Date Sampled:**	04/09/09
Matrix:	AQ - Ground Water	**Date Received:**	04/10/09
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	3.0	ug/l	
1330-20-7	Xylene (total)	ND	30	12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		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	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:

- Certification Exceptions
- Chain of Custody

CHAIN-OF-CUSTODY RECORD F64507

COC Number:
125709-HPFF-040909

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	Mark Pisarcik

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 8260	PAH 610
1	UST1115-MW09	4/9/09	1300		X	UST1115-MW09	3	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 1	[signature]	FedEx 8684 4334 2213	4/9/09	17:00
2		[signature]	[signature] Accutest	4.10.09	0930
3					

Remarks

14 Day TAT

20

F64507: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F64507 CLIENT: Shaw PROJECT: Camp Lejeune

DATE/TIME RECEIVED: 4-10-09 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8684 4334 2213

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
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 4-10-09 TECHNICIAN SIGNATURE/DATE CLR 4/10/09

ASBD 12/17/07

F64507: 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: F64507
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA142-MB	A003168.D	1	04/22/09	TD	n/a	n/a	VA142

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64507-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	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	0.36	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.2	ug/l	

Method Blank Summary

Job Number: F64507
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA142-MB	A003168.D	1	04/22/09	TD	n/a	n/a	VA142

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64507-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	87-116%
17060-07-0	1,2-Dichloroethane-D4	85%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Blank Spike Summary

Job Number: F64507
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA142-BS	A003167.D	1	04/22/09	TD	n/a	n/a	VA142

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64507-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	150	120	59-134
71-43-2	Benzene	25	25.4	102	83-124
75-27-4	Bromodichloromethane	25	21.6	86	76-116
75-25-2	Bromoform	25	22.9	92	68-128
108-90-7	Chlorobenzene	25	25.6	102	87-115
75-00-3	Chloroethane	25	23.7	95	54-166
67-66-3	Chloroform	25	22.6	90	85-123
75-15-0	Carbon disulfide	25	22.6	90	67-147
56-23-5	Carbon tetrachloride	25	22.6	90	74-139
75-34-3	1,1-Dichloroethane	25	24.0	96	82-127
75-35-4	1,1-Dichloroethylene	25	22.5	90	75-133
107-06-2	1,2-Dichloroethane	25	20.7	83	76-122
78-87-5	1,2-Dichloropropane	25	24.7	99	81-120
124-48-1	Dibromochloromethane	25	23.0	92	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.1	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.5	102	83-119
156-60-5	trans-1,2-Dichloroethylene	25	23.7	95	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
591-78-6	2-Hexanone	125	135	108	58-125
108-10-1	4-Methyl-2-pentanone	125	118	94	62-125
74-83-9	Methyl bromide	25	25.0	100	55-151
74-87-3	Methyl chloride	25	23.2	93	55-173
75-09-2	Methylene chloride	25	23.1	92	69-125
78-93-3	Methyl ethyl ketone	125	137	110	61-127
100-42-5	Styrene	25	24.0	96	78-118
71-55-6	1,1,1-Trichloroethane	25	22.4	90	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.6	106	71-120
79-00-5	1,1,2-Trichloroethane	25	25.3	101	80-114
127-18-4	Tetrachloroethylene	25	24.8	99	80-131
108-88-3	Toluene	25	26.6	106	86-116
79-01-6	Trichloroethylene	25	23.7	95	85-124
75-01-4	Vinyl chloride	25	22.0	88	57-153
1330-20-7	Xylene (total)	75	76.5	102	86-120

Blank Spike Summary

Job Number: F64507
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA142-BS	A003167.D	1	04/22/09	TD	n/a	n/a	VA142

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64507-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	91%	87-116%
17060-07-0	1,2-Dichloroethane-D4	86%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64507
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64667-2MS	A003174.D	5	04/22/09	TD	n/a	n/a	VA142
F64667-2MSD	A003175.D	5	04/22/09	TD	n/a	n/a	VA142
F64667-2	A003171.D	1	04/22/09	TD	n/a	n/a	VA142
F64667-2	A003173.D	5	04/22/09	TD	n/a	n/a	VA142

The QC reported here applies to the following samples: **Method:** SW846 8260B

F64507-1

CAS No.	Compound	F64667-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	381	61	401	64	5	59-134/14
71-43-2	Benzene	ND		125	129	103	125	100	3	83-124/11
75-27-4	Bromodichloromethane	ND		125	111	89	98.2	79	12*	76-116/10
75-25-2	Bromoform	ND		125	112	90	97.3	78	14*	68-128/11
108-90-7	Chlorobenzene	ND		125	131	105	126	101	4	87-115/9
75-00-3	Chloroethane	ND		125	132	106	131	105	1	54-166/20
67-66-3	Chloroform	0.95	J	125	120	95	114	90	5	85-123/10
75-15-0	Carbon disulfide	ND		125	109	87	87.8	70	22*	67-147/12
56-23-5	Carbon tetrachloride	0.44	J	125	119	95	106	84	12	74-139/13
75-34-3	1,1-Dichloroethane	ND		125	127	102	121	97	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		125	120	96	116	93	3	75-133/13
107-06-2	1,2-Dichloroethane	ND		125	110	88	106	85	4	76-122/11
78-87-5	1,2-Dichloropropane	7.8		125	134	101	131	99	2	81-120/11
124-48-1	Dibromochloromethane	ND		125	113	90	98.8	79	13*	74-116/11
156-59-2	cis-1,2-Dichloroethylene	12.8		125	135	99	129	94	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		125	128	102	119	95	7	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		125	125	100	117	94	7	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		125	136	109	129	103	5	87-123/10
100-41-4	Ethylbenzene	ND		125	131	105	126	101	4	87-118/10
591-78-6	2-Hexanone	ND		625	490	78	519	83	6	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		625	571	91	596	95	4	62-125/13
74-83-9	Methyl bromide	ND		125	134	107	136	109	1	55-151/21
74-87-3	Methyl chloride	ND		125	134	107	137	110	2	55-173/22
75-09-2	Methylene chloride	ND		125	124	99	120	96	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		625	458	73	492	79	7	61-127/13
100-42-5	Styrene	ND		125	122	98	118	94	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		125	118	94	112	90	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	134	107	136	109	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		125	129	103	129	103	0	80-114/11
127-18-4	Tetrachloroethylene	180 [a]		125	302	98	285	84	6	80-131/12
108-88-3	Toluene	ND		125	135	108	130	104	4	86-116/10
79-01-6	Trichloroethylene	14.1		125	138	100	129	93	7	85-124/10
75-01-4	Vinyl chloride	ND		125	119	95	121	97	2	57-153/22
1330-20-7	Xylene (total)	ND		375	395	105	378	101	4	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F64507
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-HPFF

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F64667-2MS	A003174.D	5	04/22/09	TD	n/a	n/a	VA142
F64667-2MSD	A003175.D	5	04/22/09	TD	n/a	n/a	VA142
F64667-2	A003171.D	1	04/22/09	TD	n/a	n/a	VA142
F64667-2	A003173.D	5	04/22/09	TD	n/a	n/a	VA142

The QC reported here applies to the following samples: **Method:** SW846 8260B

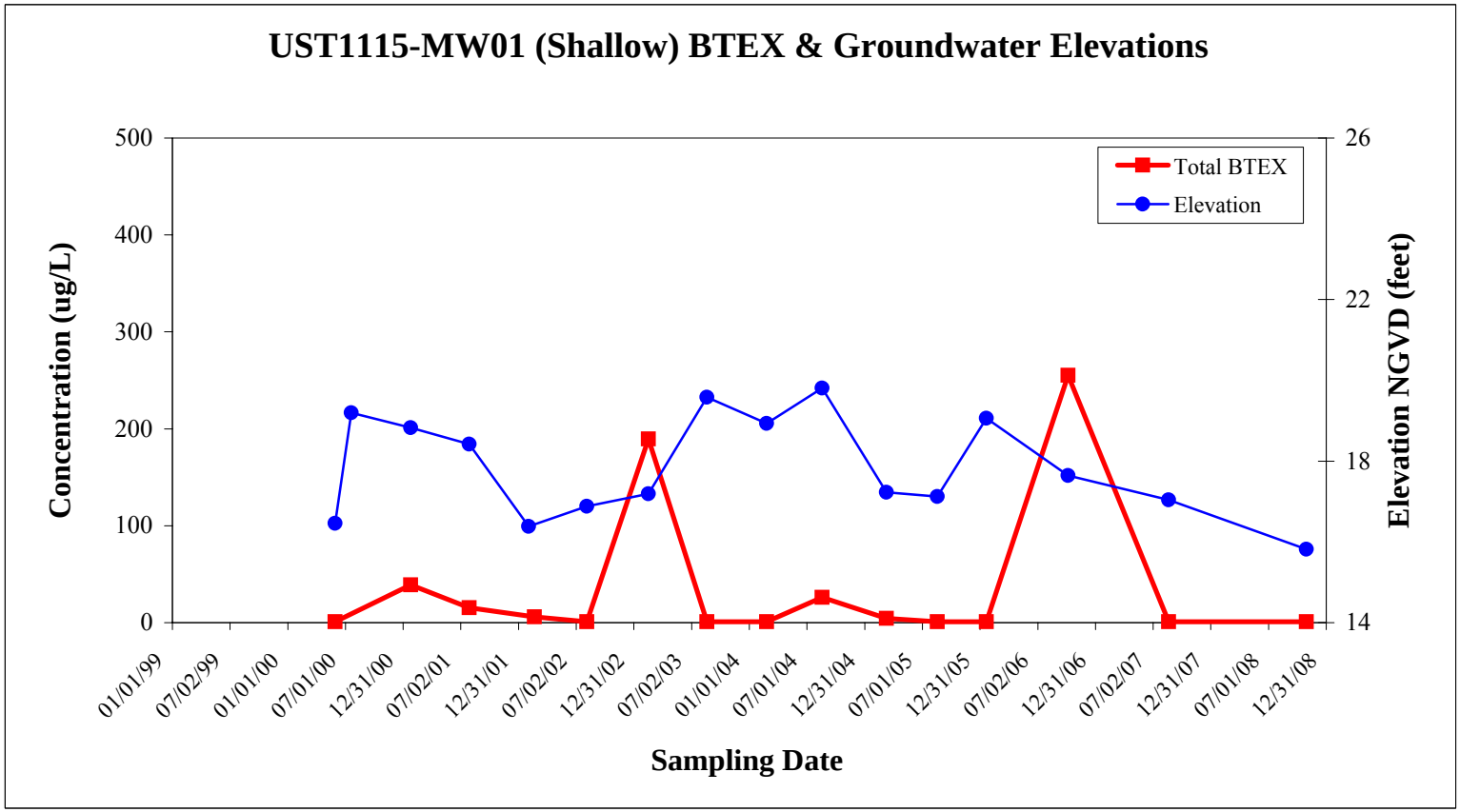
F64507-1

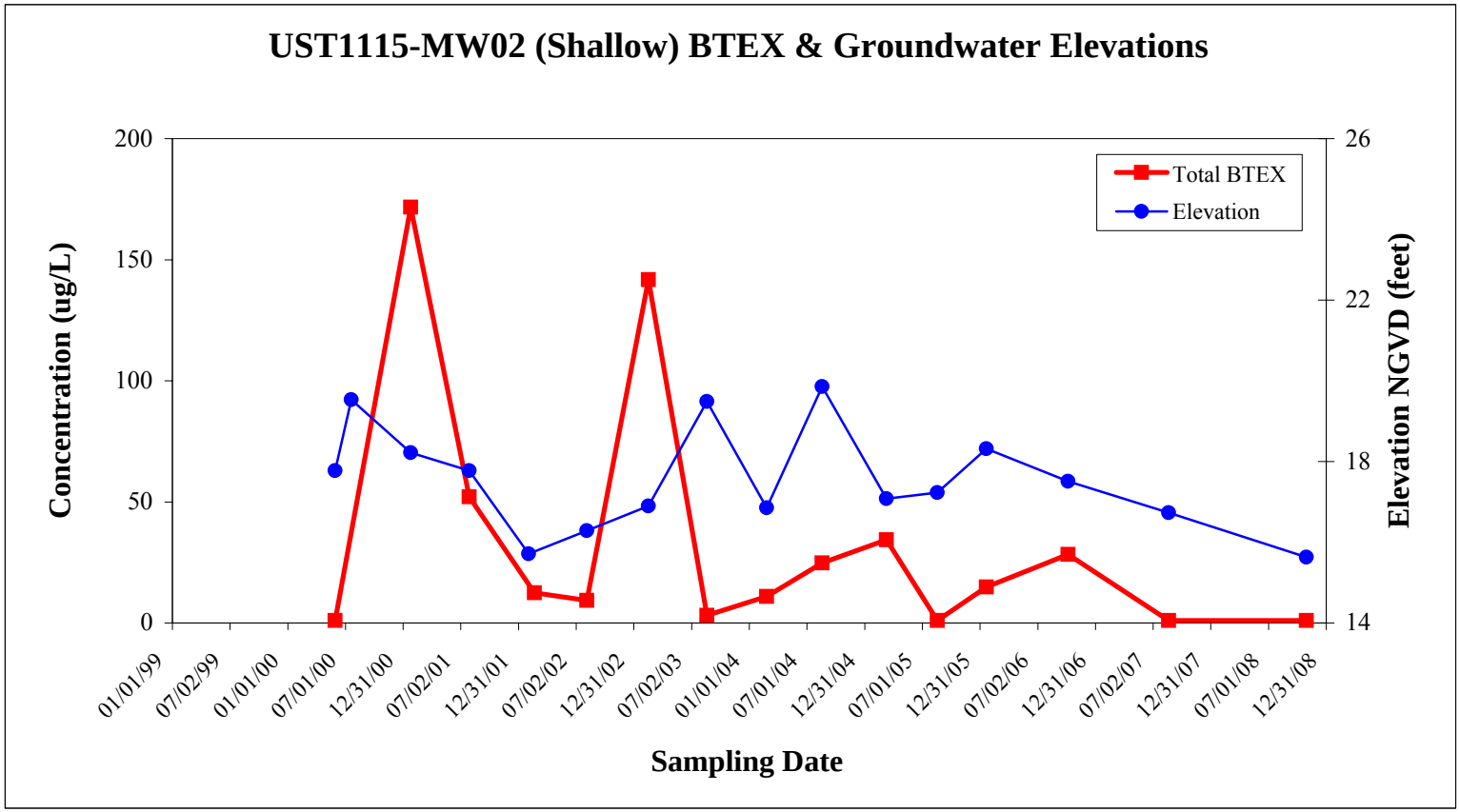
CAS No.	Surrogate Recoveries	MS	MSD	F64667-2	F64667-2	Limits
1868-53-7	Dibromofluoromethane	93%	92%	93%	93%	87-116%
17060-07-0	1,2-Dichloroethane-D4	90%	88%	88%	89%	76-127%
2037-26-5	Toluene-D8	97%	97%	97%	98%	86-112%
460-00-4	4-Bromofluorobenzene	105%	105%	108%	108%	84-120%

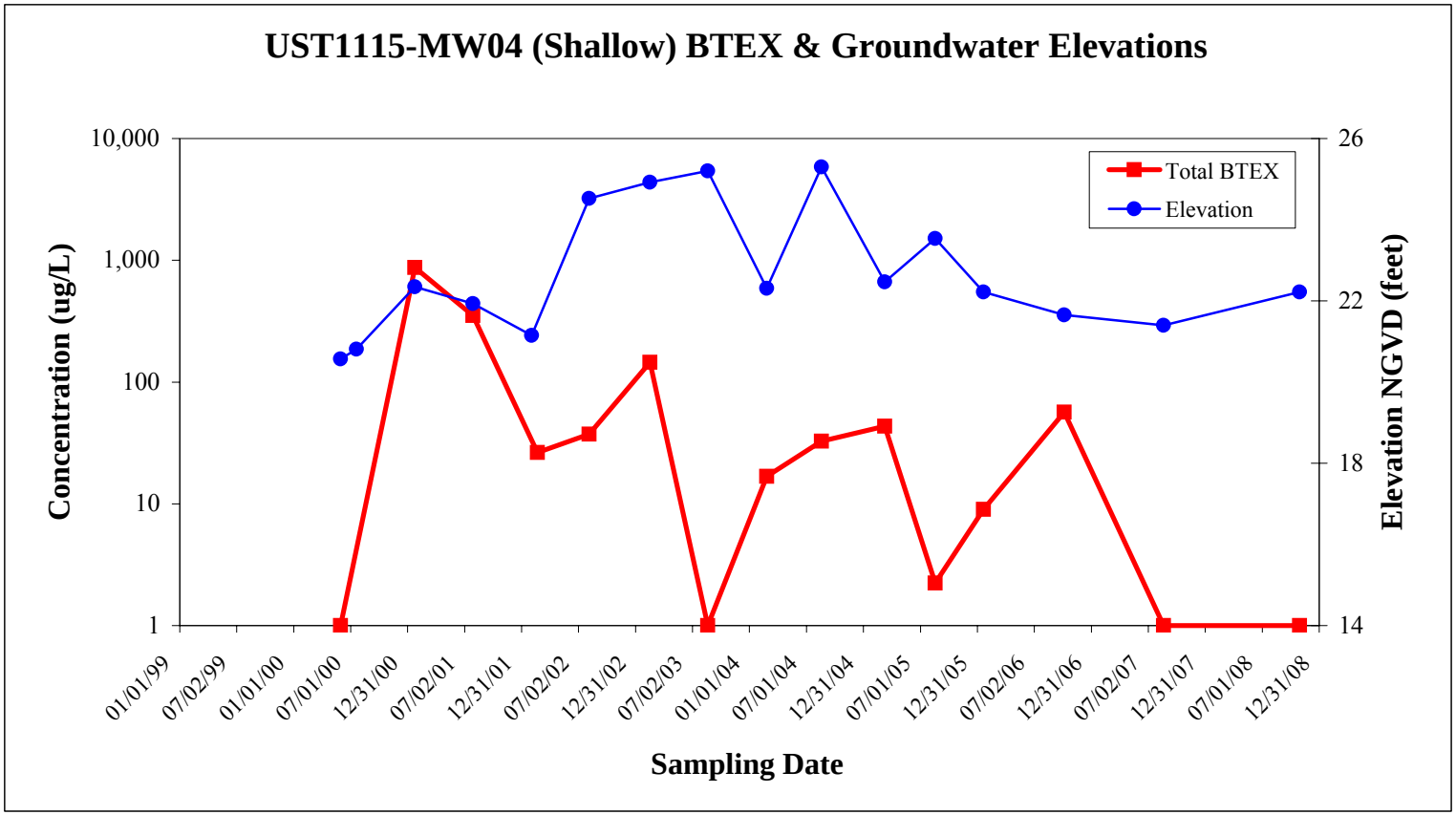
(a) Result is from Run #2.

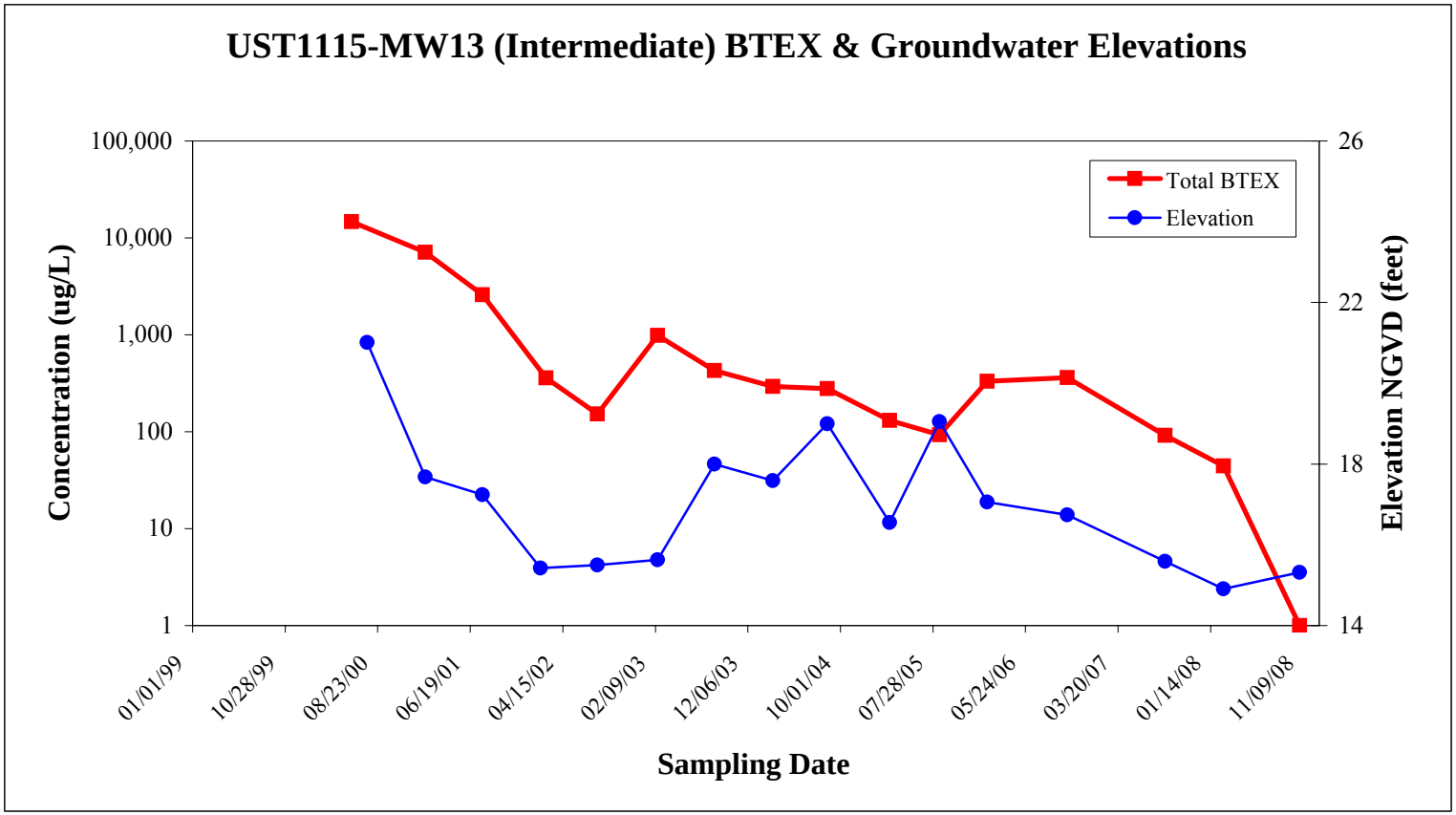
APPENDIX F

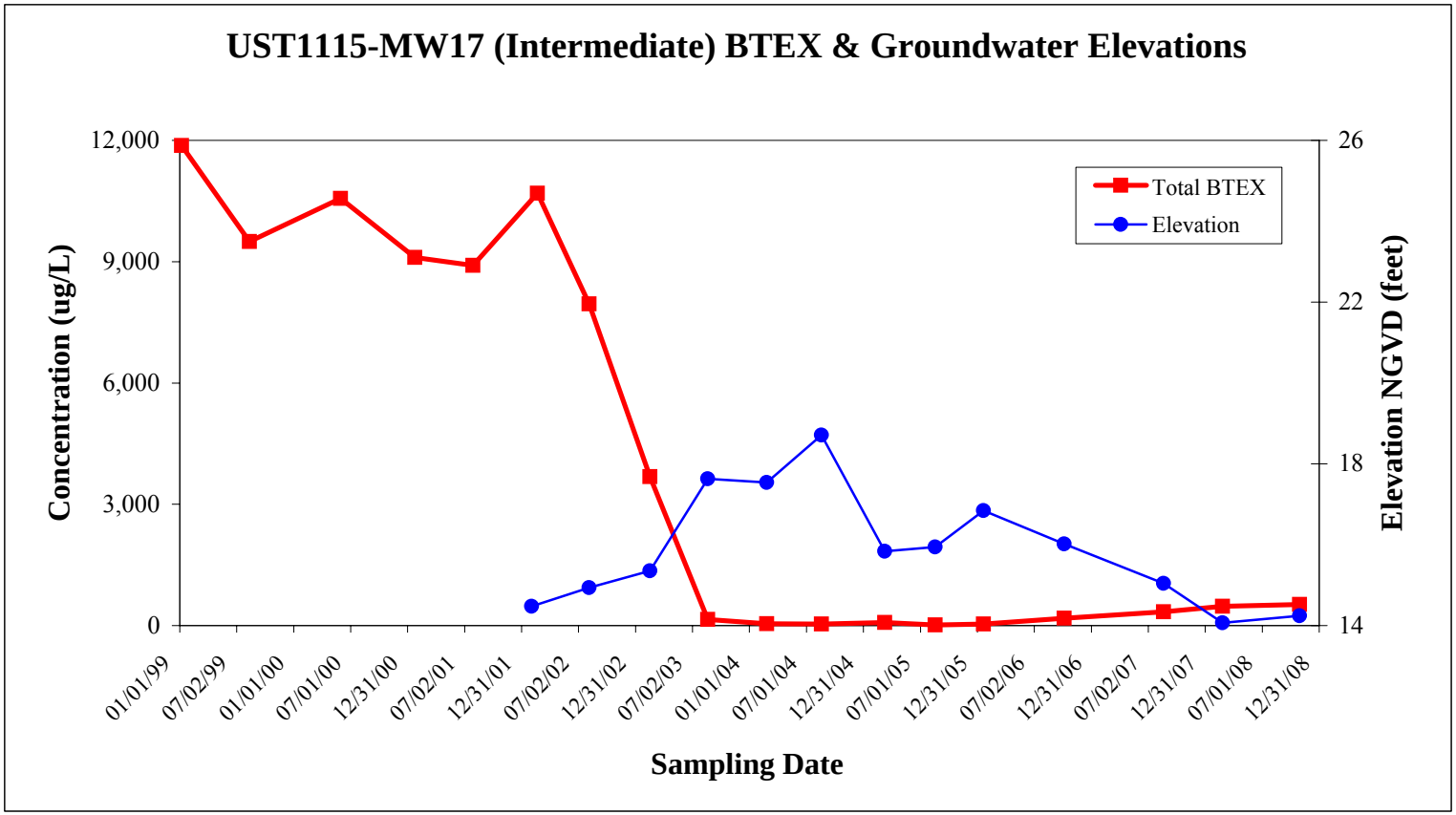
HYDROGRAPHS WITH GROUNDWATER ANALYTICAL RESULTS

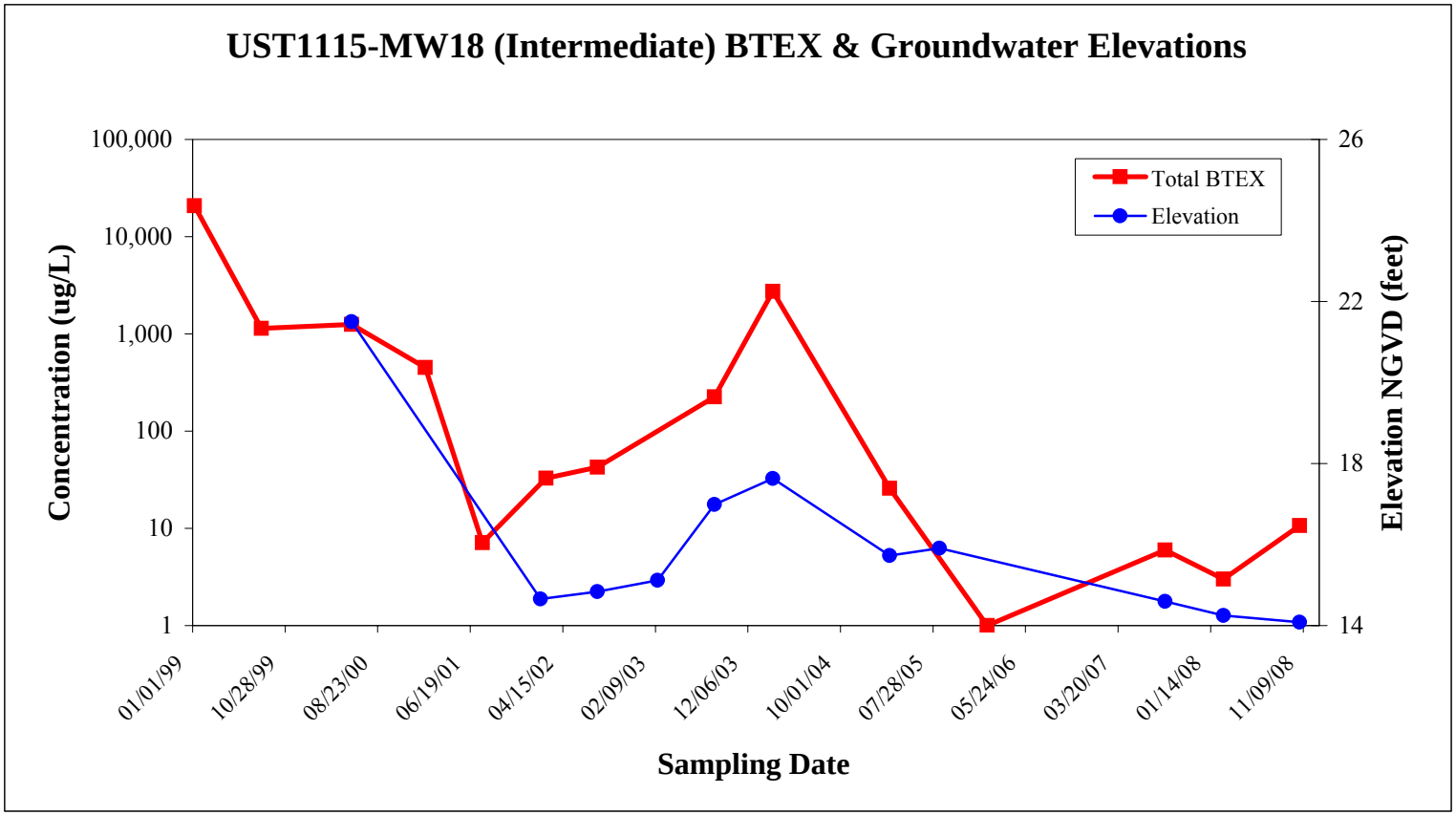

UST1115-MW01 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
Elevation NGVD (feet)
Sampling Date
Total BTEX
Elevation
500
400
300
200
100
0
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
12/31/08

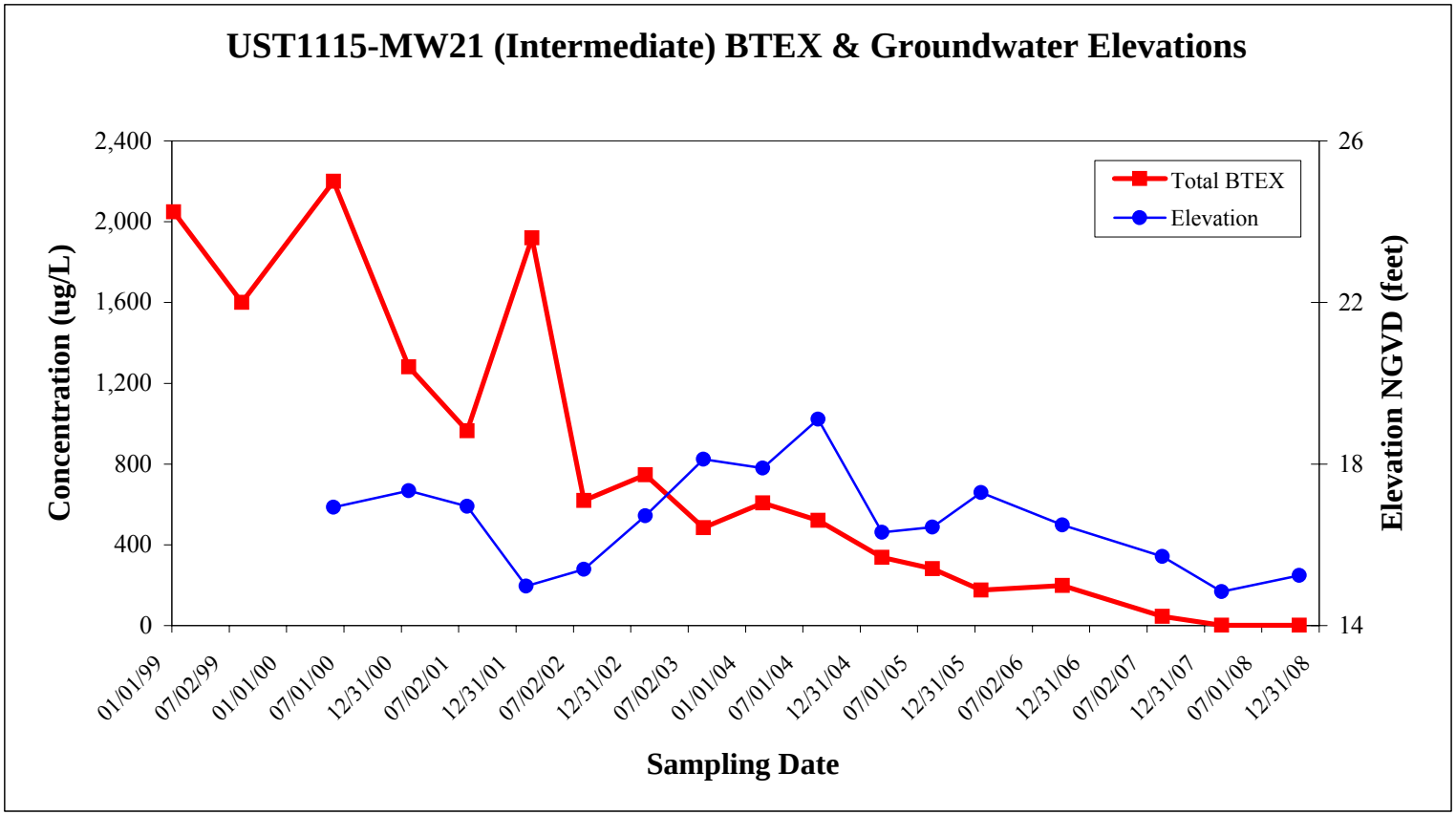

UST1115-MW02 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
Elevation NGVD (feet)
Sampling Date
Total BTEX
Elevation
200
150
100
50
0
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
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07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
12/31/08

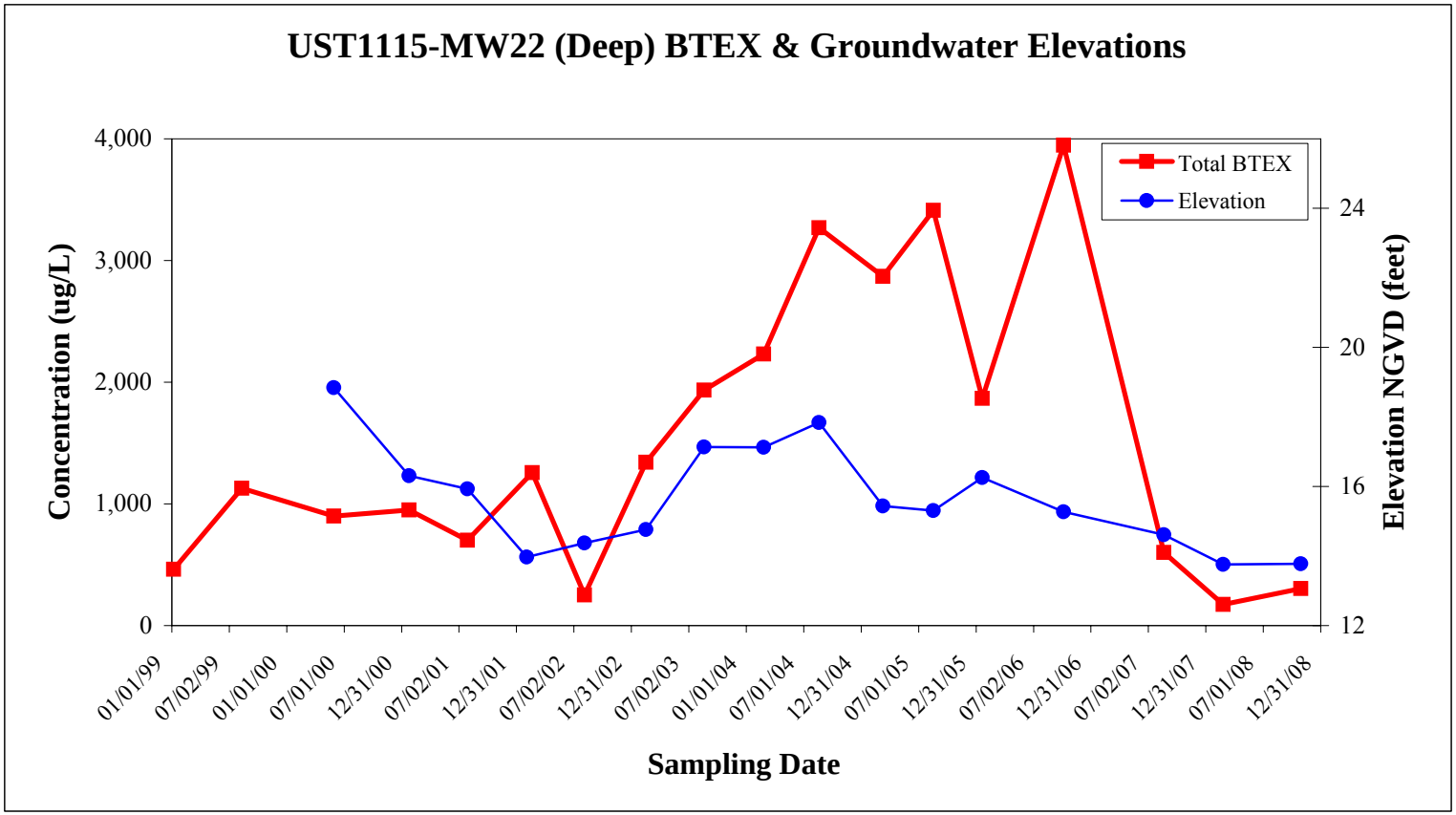

UST1115-MW04 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
10,000
1,000
100
10
1
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
12/31/08
Sampling Date

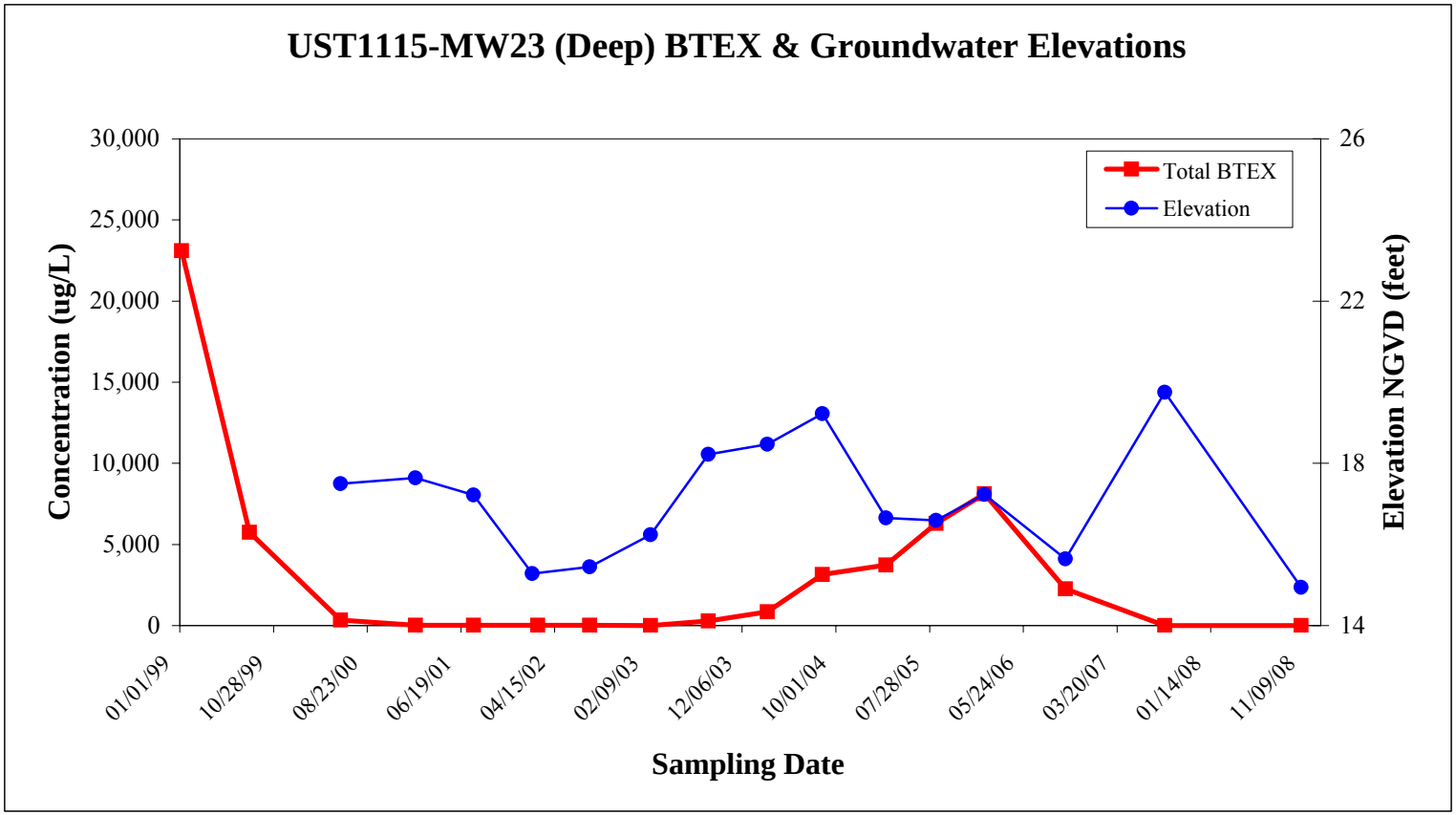

UST1115-MW13 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
100
10
1
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

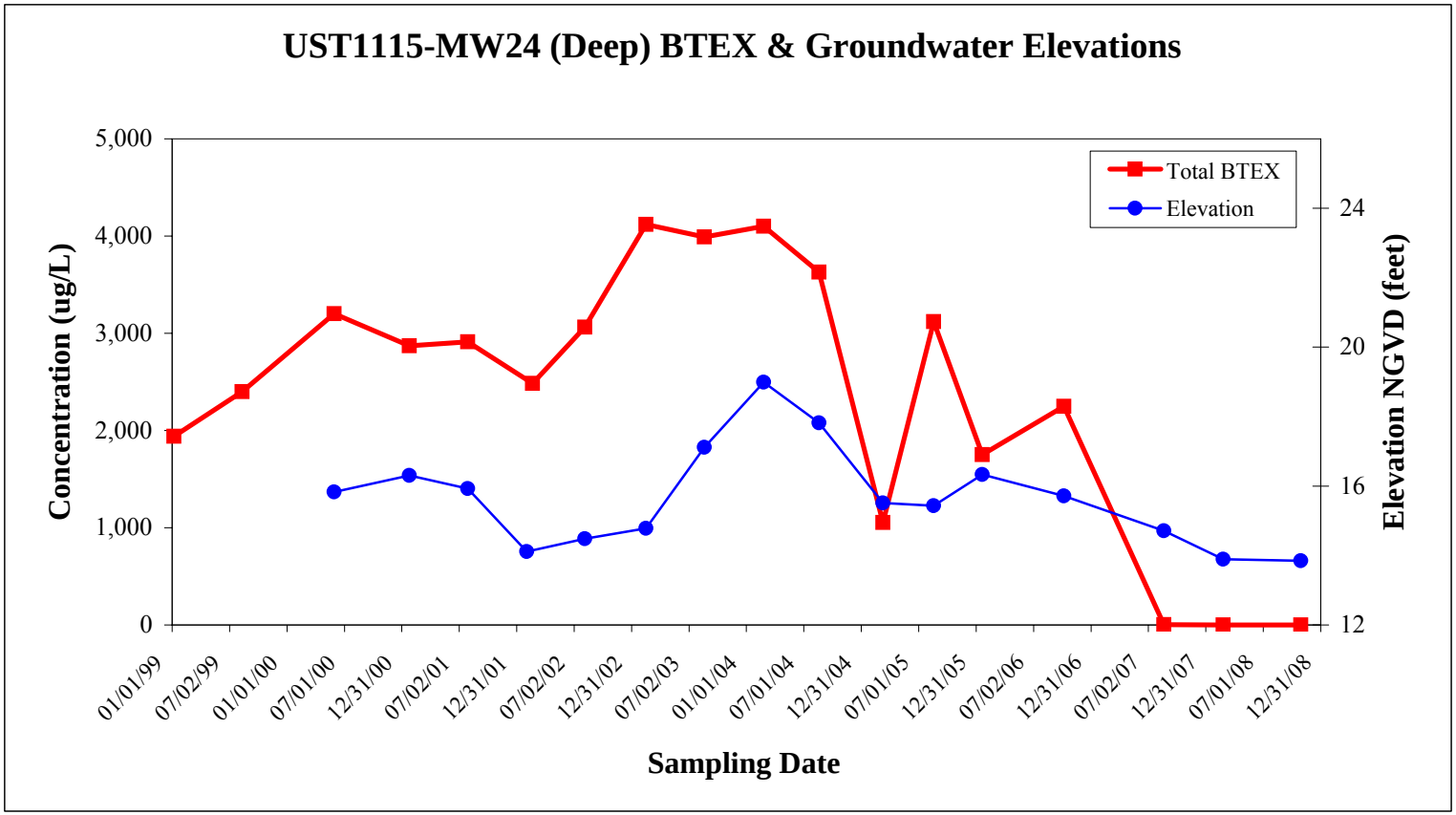

UST1115-MW17 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
12,000
9,000
6,000
3,000
0
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
12/31/08
Sampling Date

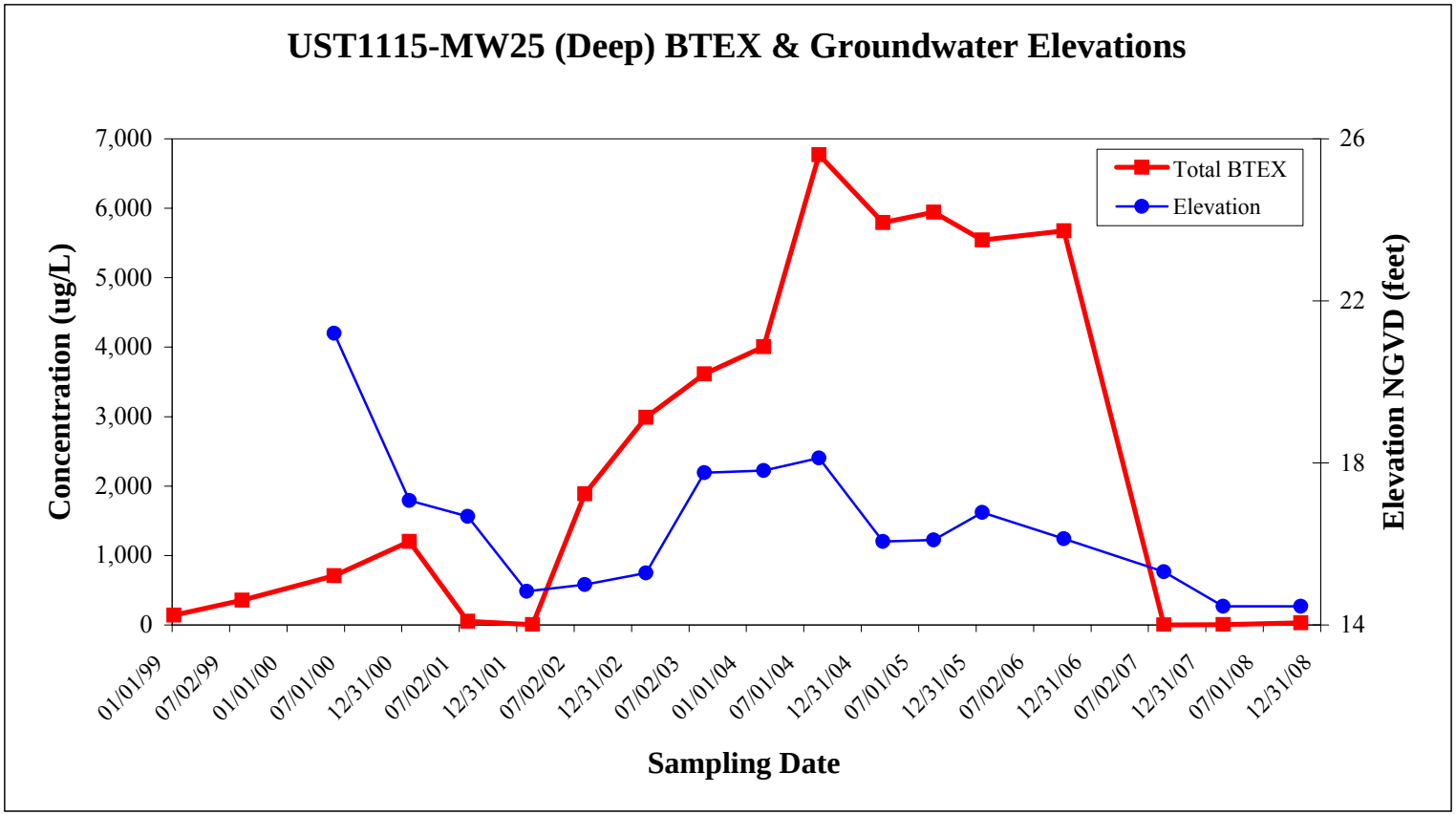

UST1115-MW18 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
100
10
1
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

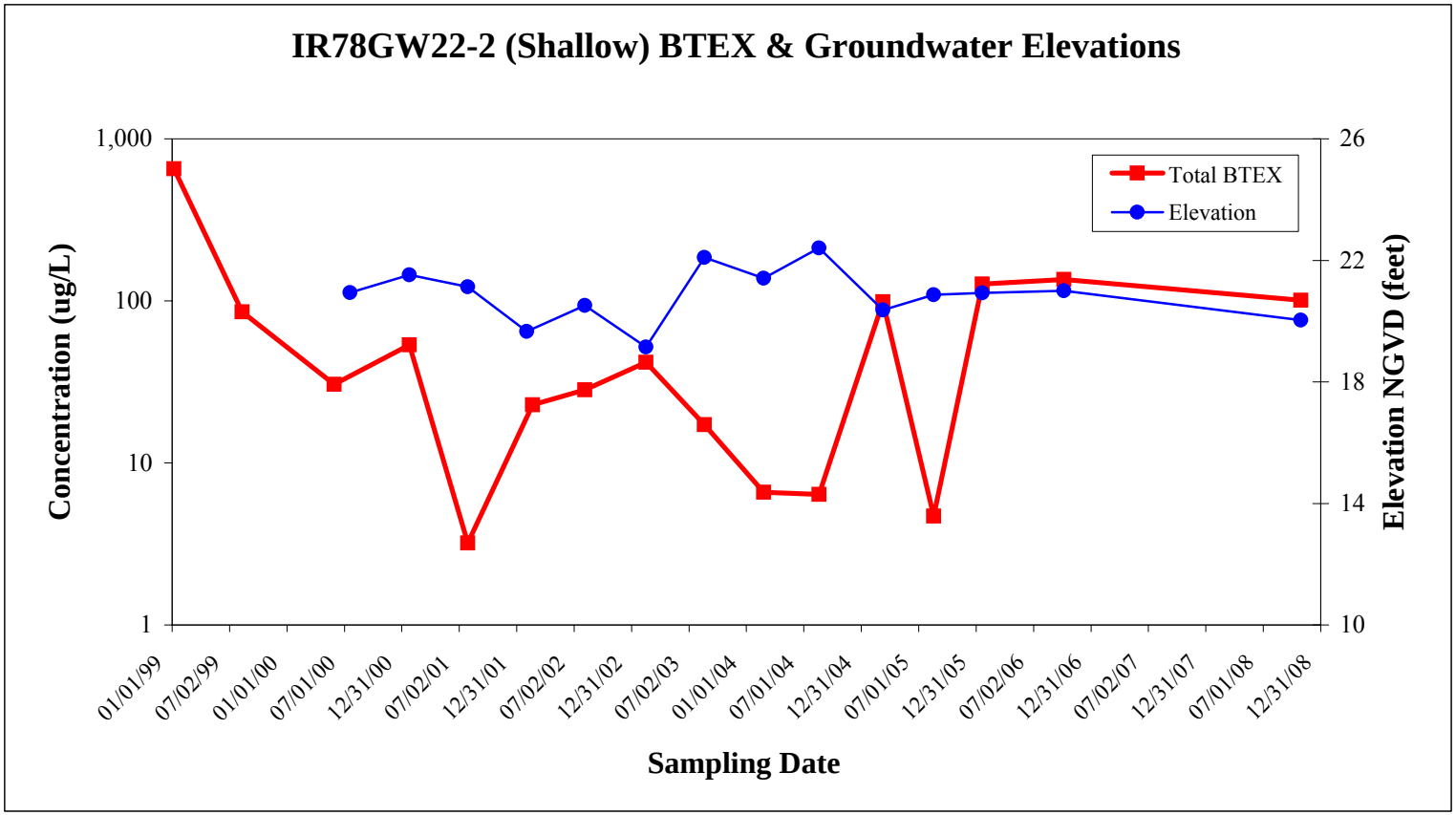

UST1115-MW21 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
2,400
2,000
1,600
1,200
800
400
0
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
12/31/08
Sampling Date

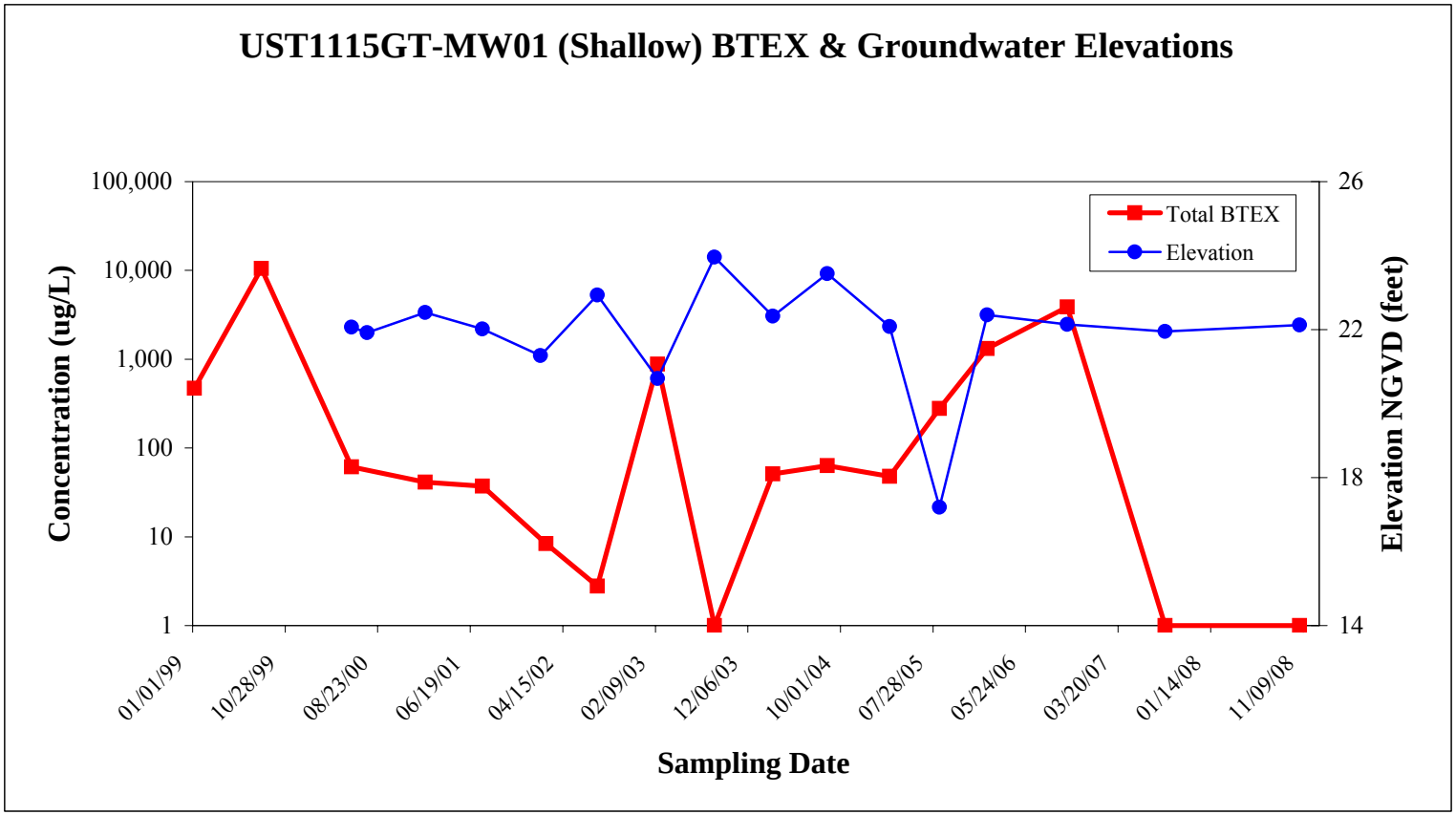

UST1115-MW22 (Deep) BTEX & Groundwater Elevations
Concentration (ug/L)
4,000
3,000
2,000
1,000
0
Elevation NGVD (feet)
24
20
16
12
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
12/31/08
Sampling Date

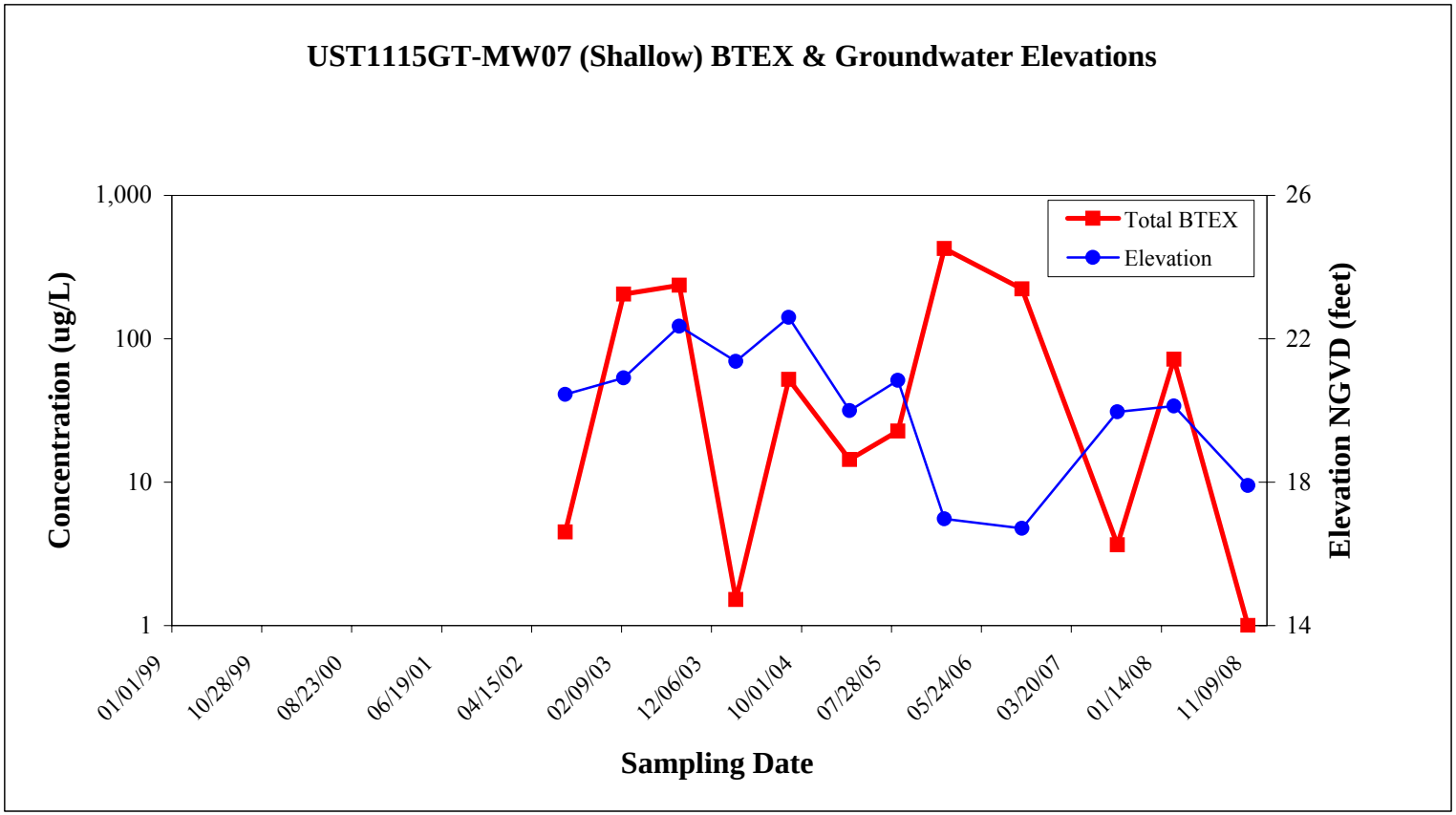

UST1115-MW23 (Deep) BTEX & Groundwater Elevations
Concentration (ug/L)
30,000
25,000
20,000
15,000
10,000
5,000
0
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

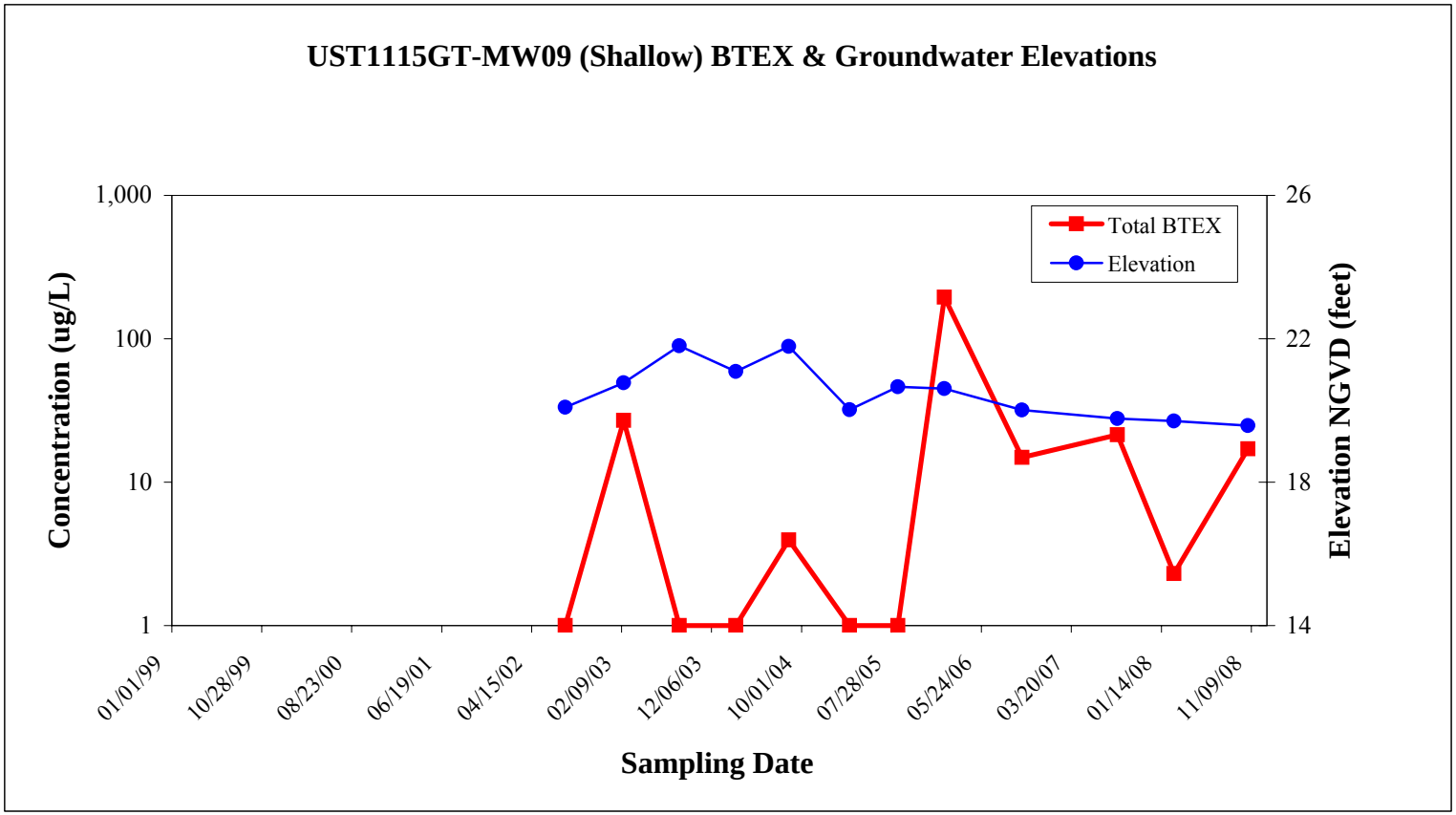

UST1115-MW24 (Deep) BTEX & Groundwater Elevations
Concentration (ug/L)
5,000
4,000
3,000
2,000
1,000
0
Elevation NGVD (feet)
24
20
16
12
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
12/31/08
Sampling Date


UST1115-MW25 (Deep) BTEX & Groundwater Elevations
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
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
12/31/08
Sampling Date


IR78GW22-2 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
1,000
100
10
1
Elevation NGVD (feet)
26
22
18
14
10
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
12/31/08
Sampling Date


UST1115GT-MW01 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
100
10
1
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date


UST1115GT-MW07 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
1,000
100
10
1
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date


UST1115GT-MW09 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
1,000
100
10
1
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

Hadnot NW Well Gauging Data

Well	1115-01		1115-02		1115-04		GT-01		1115-13		1115-17		1115-18	
TOC	26.24		25.74		27.02		26.32		25.59		25.94		25.81	
Date	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth
01/07/99														
08/12/99														
05/30/00	16.46	9.78	17.77	7.97	20.57	6.45	22.07	4.25			18.36	7.58	21.50	4.31
07/20/00	19.20	7.04	19.53	6.21	20.81	6.21	21.92	4.40	21.01	4.58				
01/24/01	18.83	7.41	18.22	7.52	22.35	4.67	22.46	3.86	17.68	7.91				
07/29/01	18.42	7.82	17.77	7.97	21.93	5.09	22.02	4.30	17.24	8.35				
02/02/02	16.38	9.86	15.71	10.03	21.15	5.87	21.30	5.02	15.42	10.17	14.48	11.46	14.66	11.15
08/05/02	16.88	9.36	16.29	9.45	24.52	2.50	22.93	3.39	15.50	10.09	14.94	11.00	14.84	10.97
02/16/03	17.19	9.05	16.90	8.84	24.92	2.10	20.68	5.64	15.63	9.96	15.35	10.59	15.12	10.69
08/20/03	19.58	6.66	19.49	6.25	25.20	1.82	23.96	2.36	18.00	7.59	17.63	8.31	16.99	8.82
02/25/04	18.93	7.31	16.85	8.89	22.31	4.71	22.36	3.96	17.59	8.00	17.54	8.40	17.63	8.18
08/19/04	19.81	6.43	19.86	5.88	25.30	1.72	23.51	2.81	19.00	6.59	18.71	7.23		
03/10/05	17.23	9.01	17.08	8.66	22.47	4.55	22.08	4.24	16.55	9.04	15.84	10.10	15.73	10.08
08/18/05	17.12	9.12	17.23	8.51	23.54	3.48	17.20	9.12	19.05	6.54	15.94	10.00	15.91	9.90
01/20/06	19.06	7.18	18.32	7.42	22.22	4.80	22.40	3.92	17.06	8.53	16.84	9.10		
10/06/06	17.64	8.60	17.51	8.23	21.65	5.37	22.14	4.18	16.74	8.85	16.02	9.92		
08/20/07	17.04	9.20	16.73	9.01	21.40	5.62	21.95	4.37	15.59	10.00	15.04	10.90	14.60	11.21
02/25/08									14.91	10.68	14.07	11.87	14.25	11.56
10/29/08	15.82	10.42	15.63	10.11	22.22	4.80	22.12	4.20	15.32	10.27	14.24	11.70	14.08	11.73

Highlighted data confirmed with field logs.

Hadnot NW Well Gauging Data

Well	1115-21		1115-22		1115-23		1115-24		1115-25		78GW22-2		GT-7	
TOC	25.54		27.1		27.47		25.93		25.83		28.93		25.94	
Date	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth
01/07/99														
08/12/99														
05/30/00	16.93	8.61	18.84	8.26	17.50	9.97	15.83	10.10	21.20	4.63				
07/20/00											20.94	7.99		
01/24/01	17.34	8.20	16.31	10.79	17.64	9.83	16.31	9.62	17.07	8.76	21.52	7.41		
07/29/01	16.95	8.59	15.93	11.17	17.22	10.25	15.93	10.00	16.68	9.15	21.13	7.80		
02/02/02	14.98	10.56	13.97	13.13	15.28	12.19	14.11	11.82	14.83	11.00	19.66	9.27		
08/05/02	15.39	10.15	14.37	12.73	15.45	12.02	14.48	11.45	15.00	10.83	20.52	8.41	20.45	5.49
02/16/03	16.72	8.82	14.76	12.34	16.24	11.23	14.78	11.15	15.28	10.55	19.15	9.78	20.91	5.03
08/20/03	18.12	7.42	17.14	9.96	18.22	9.25	17.12	8.81	17.76	8.07	22.10	6.83	22.35	3.59
02/25/04	17.90	7.64	17.13	9.97	18.47	9.00	18.99	6.94	17.81	8.02	21.41	7.52	21.37	4.57
08/19/04	19.11	6.43	17.84	9.26	19.22	8.25	17.82	8.11	18.12	7.71	22.41	6.52	22.60	3.34
03/10/05	16.31	9.23	15.44	11.66	16.65	10.82	15.51	10.42	16.06	9.77	20.36	8.57	20.00	5.94
08/18/05	16.44	9.10	15.31	11.79	16.59	10.88	15.43	10.50	16.10	9.73	20.87	8.06	20.84	5.10
01/20/06	17.29	8.25	16.26	10.84	17.23	10.24	16.33	9.60	16.78	9.05	20.93	8.00	16.98	8.96
10/06/06	16.49	9.05	15.27	11.83	15.64	11.83	15.72	10.21	16.13	9.70	21.00	7.93	16.71	9.23
08/20/07	15.71	9.83	14.61	12.49	19.75	7.72	14.71	11.22	15.31	10.52			19.96	5.98
02/25/08	14.84	10.70	13.76	13.34			13.89	12.04	14.46	11.37			20.12	5.82
10/29/08	15.24	10.30	13.78	13.32	14.94	12.53	13.85	12.08	14.46	11.37	20.03	8.90	17.91	8.03

Highlighted

Hadnot NW Well Gauging Data

Well	GT-9	
TOC	25.99	
Date	Elevation	Depth
01/07/99		
08/12/99		
05/30/00		
07/20/00		
01/24/01		
07/29/01		
02/02/02		
08/05/02	20.09	5.90
02/16/03	20.77	5.22
08/20/03	21.80	4.19
02/25/04	21.09	4.90
08/19/04	21.79	4.20
03/10/05	20.02	5.97
08/18/05	20.66	5.33
01/20/06	20.61	5.38
10/06/06	20.01	5.98
08/20/07	19.77	6.22
02/25/08	19.71	6.28
10/29/08	19.58	6.41

Highlighted

Hadnot NW Groundwater Analytical

LOCATION	PARAMETER	01/07/99	08/12/99	05/30/00	01/24/01	07/29/01	02/20/02	08/05/02	02/16/03	08/20/03	02/25/04	08/19/04	03/10/05	08/18/05	01/20/06	10/06/06
1115-01	benzene	310		0	32	14	6	0	187	0	0	17.7	3.8	0	0	163
	toluene	29		0	0.39	1.1	0	0	1	0	1	4.6	0.71	0	0	43
	ethylbenzene	56		0	5.3	0.27	0	0	0	0	0	0.92	0	0	0	30
	xylenes	100		0	1.4	0	0	0	1.6	0	0	2.9	0	0	0	19
	Total BTEX	495		1	39.09	15.37	6	1	189.6	1	1	26.12	4.51	1	1	255.2
1115-02	benzene	29	53	0	150	51	11.9	9.3	125	3	10.9	24.3	31.1	0	14.9	28.3
	toluene	20	2	0	1.2	0.87	0	0	6.4	0.0	0	0.52	3.3	0	0	0
	ethylbenzene	7.2	3.5	0	16	0.24	0.6	0	6.6	0.0	0	0	0	0	0	0
	xylenes	22	9.6	0	4.5	0	0	0	3.7	0.0	0	0	0	0	0	0
	Total BTEX	78.2	68	1	171.7	52.11	12.5	9.3	141.7	3.1	10.9	24.82	34.4	1	14.9	28.3
1115-04	benzene	190	28	0	660	210	22.6	31.5	128	0	16.8	31.5	42.7	0.63	9	57
	toluene	24	1.1	0	7.6	0	0	0	3.8	0	0	1.1	0.55	1.6	0	0
	ethylbenzene	43	1.9	0	140	76	2.1	2.7	13.7	0	0	0	0	0	0	0
	xylenes	91	5.5	0	66	65	1.7	3.1	0.0	0	0	0	0	0	0	0
	Total BTEX	348	36.5	1	873.6	351	26.4	37.3	145.5	1	16.8	32.6	43.25	2.23	9	57
GT-1	benzene	310	8,300	13	25	12	4	0.88	80	0	29.7	44.7	35.8	268	1,100	2,720
	toluene	19	130	7.5	1.3	1.3	0	0	557	0	2.7	8.6	1.8	2.7	19	480
	ethylbenzene	56	730	8.7	7	10	3	1.9	41	0	10.5	5.5	6.8	6.8	110	478
	xylenes	86	1,400	32	7.8	14	1.4	0	201	0	8.3	4.4	3.7	0	86.3	189.0
	Total BTEX	471	10,560	61.2	41.1	37.3	8.4	2.78	879	1	51.2	63.2	48.1	277.5	1,315.3	3,867.0
1115-13	benzene	15,000	230	13,000	6,400	2,300	298	95.5	872	340	228	202	82.1	61.6	263	278
	toluene	220	5	0	39.00	8.7	2.7	0	28.3	0.0	0	11.8	0.67	0	13.5	25.7
	ethylbenzene	930	30	770	460	230	41	40.1	62.2	72.4	53	47.6	36.3	31.2	32	27
	xylenes	1,500	56	910	210	56	16.5	16.8	21.5	16.6	11.7	16.3	11.8	0	23.5	32.0
	Total BTEX	17,650	321	14,680	7,109	2,594.7	358.1	152.4	984	429	292.7	277.7	130.87	92.8	332	362
1115-17	benzene	9,200	9,200	8,900	7,900	7,400	8,670	7,770	3,490	84.3	36.9	34.1	72.3	9.5	39.3	168.0
	toluene	140	100	0	56	0	0	10	0	0	2.5	1.4	0	0	1.1	2.4
	ethylbenzene	830	100	780	750	840	973	76.3	196	63.4	3.5	0	0	0	0.86	4.20
	xylenes	1,700	100	880	400	670	1,050	99.4	0	0	0	2.9	0	2.4	0	4
	Total BTEX	11,870	9,500	10,560	9,106	8,910	10,693	7,955.7	3,686	147.7	42.9	38.4	72.3	11.9	41.3	178.6
1115-18	benzene	16,000	990	1,200	420	3.1	30.2	33.8		215	2,630		9.6		0	
	toluene	2,100	17	0	2.3	2.1	1.2	1.5		1.4	5.6		2.0		0	
	ethylbenzene	850	63	53	21	0.51	1.3	2.1		4.1	76.8		4.6		0	
	xylenes	1,800	70	0	6.9	1.4	0	5.1		4.6	15.7		9.6		0	
	Total BTEX	20,750	1,140	1,253	450.2	7.11	32.7	42.5		225.1	2,728.1		25.8		1	
1115-21	benzene	2,000	1,600	2,200	1,200	960	1,920	620	727	485	607	521	338	282	175	197
	toluene	21	0	0	4.4	0	0	0	7.8	0	0.0	0	0	0	0	1
	ethylbenzene	0	0	0	55	5.2	0	0	11.7	0	0.0	0	0	0	0	0
	xylenes	27	0	0	21	0	0	0	0	0	0	0	0	0	0	0
	Total BTEX	2,048	1,600	2,200	1,280.4	965.2	1,920	620	746.5	485	607	521	338	282	175	198

Result of "1" is actually <RL.
Dummied as "1" for graphing.

Hadnot NW Groundwater Analytical

LOCATION	PARAMETER	01/07/99	08/12/99	05/30/00	01/24/01	07/29/01	02/20/02	08/05/02	02/16/03	08/20/03	02/25/04	08/19/04	03/10/05	08/18/05	01/20/06	10/06/06
1115-22	benzene	460	1,100	900	940	700	1,250	251	1,320	1,930	2,230	3,270	2,850	3,380	1,830	3,880
	toluene	1.4	0	0	4.2	0	3.5	0	21	0	0	0	20.3	32.4	16.4	35.7
	ethylbenzene	0	0	0	5.6	0	3.4	0	0	4.4	0	0	0	0	6	0
	xylenes	0	29	0	0	0	0	0	0	1	0	0	0	0	14.4	32.6
	Total BTEX	461.4	1,129	900	949.8	700	1,256.9	251	1,341	1,935.4	2,230	3,270	2,870.3	3,412.4	1,866.8	3,948.3
1115-23	benzene	15,000	5,000	270	4.7	13	22	17.8	0.98	260	703	2,720	3,120	5,240	7,230	1,910
	toluene	5,700	180	0	1.1	2.8	0	1.3	0	2.2	98.7	267	346	653	441	198
	ethylbenzene	500	140	34	4.9	1.1	0	1.7	0	5.2	14.8	38.6	54.3	91.7	124	50
	xylenes	1,900	420	40	5.6	2.2	0	7.3	0	7.6	35.9	112	208	315	318	96
	Total BTEX	23,100	5,740	344	16.3	19.1	22	28.1	0.98	275	852.4	3,137.6	3,728.3	6,299.7	8,113	2,254
1115-24	benzene	1,800	2,400	3,200	2,700	2,900	2,480	3,060	4,120	3,990	4,100	3,630	1,030	3,120	1,750	2,250
	toluene	55	0	0	32	0	0	0.76	0	0	0	0	23.2	0	0.69	0.00
	ethylbenzene	22	0	0	49	13	5.2	1.5	0	0	0	0	0	0	0	0
	xylenes	64	0	0	89	0	0	1	0	0	0	0	0	0	0	0
	Total BTEX	1,941	2,400	3,200	2,870	2,913	2,485.2	3,063.26	4,120	3,990	4,100	3,630	1,053.2	3,120	1,750.69	2,250.00
1115-25	benzene	63	240	650	1,100	29	3.1	1,850	2,840	3,300	3,580	5,960	5,170	4,990	5,000	5,160
	toluene	13	6.4	0	15	3.1	0	37.1	150	292	362	650	418	678	225	285
	ethylbenzene	20	39	29	53	15	0.57	0	0	8.2	0	40.4	47.3	58.3	61.7	54.6
	xylenes	44	73	32	33	7.9	0	0	0	15.3	63.2	120	157	216	256	174
	Total BTEX	140	358.4	711	1,201	55	3.67	1,887.1	2,990	3,615.5	4,005.2	6,770.4	5,792.3	5,942.3	5,542.7	5,673.6
78GW22-2	benzene	320	69	28	50	3.2	22.8	28.3	41.1	17.2	6.6	6.4	78.5	4.7	95.4	98.3
	toluene	160	3.6	1.4	0.37	0	0	0	0.65	0	0	0	12.6	0	17.3	18.1
	ethylbenzene	44	3.5	0	2.4	0	0	0	0	0	0	0	1.4	0	3.7	6.3
	xylenes	130	9.3	1.1	0.82	0	0	0	0	0	0	0	6.3	0	10.7	12.9
	Total BTEX	654	85.4	30.5	53.59	3.2	22.8	28.3	41.75	17.2	6.6	6.4	98.8	4.7	127.1	135.6
GT-7	benzene							2.9	205	235	0.74	37.9	11	22.7	421	220
	toluene							0	0	0.65	0.78	8.2	2.2	0	2.6	0.0
	ethylbenzene							1.6	0	0.63	0	1.5	0	0	1.3	2.1
	xylenes							0	0	0	0	4.4	1.2	0	0	0
	Total BTEX							4.5	205	236.28	1.52	52	14.4	22.7	424.9	222.1
GT-9	benzene							0.92	21.1	0	0	3.2	0	0	154	9.7
	toluene							0	2.5	0	0	0.76	0	0	22.3	2.2
	ethylbenzene							0	2	0	0	0	0	0	4.7	1.2
	xylenes							0	1.3	0	0	0	0	0	13.5	1.8
	Total BTEX							1.00	26.9	1	1	3.96	1	1	194.5	14.9

Result of "1" is actually <RL.
Dummied as "1" for graphing.

Hadnot NW Groundwater Analytical

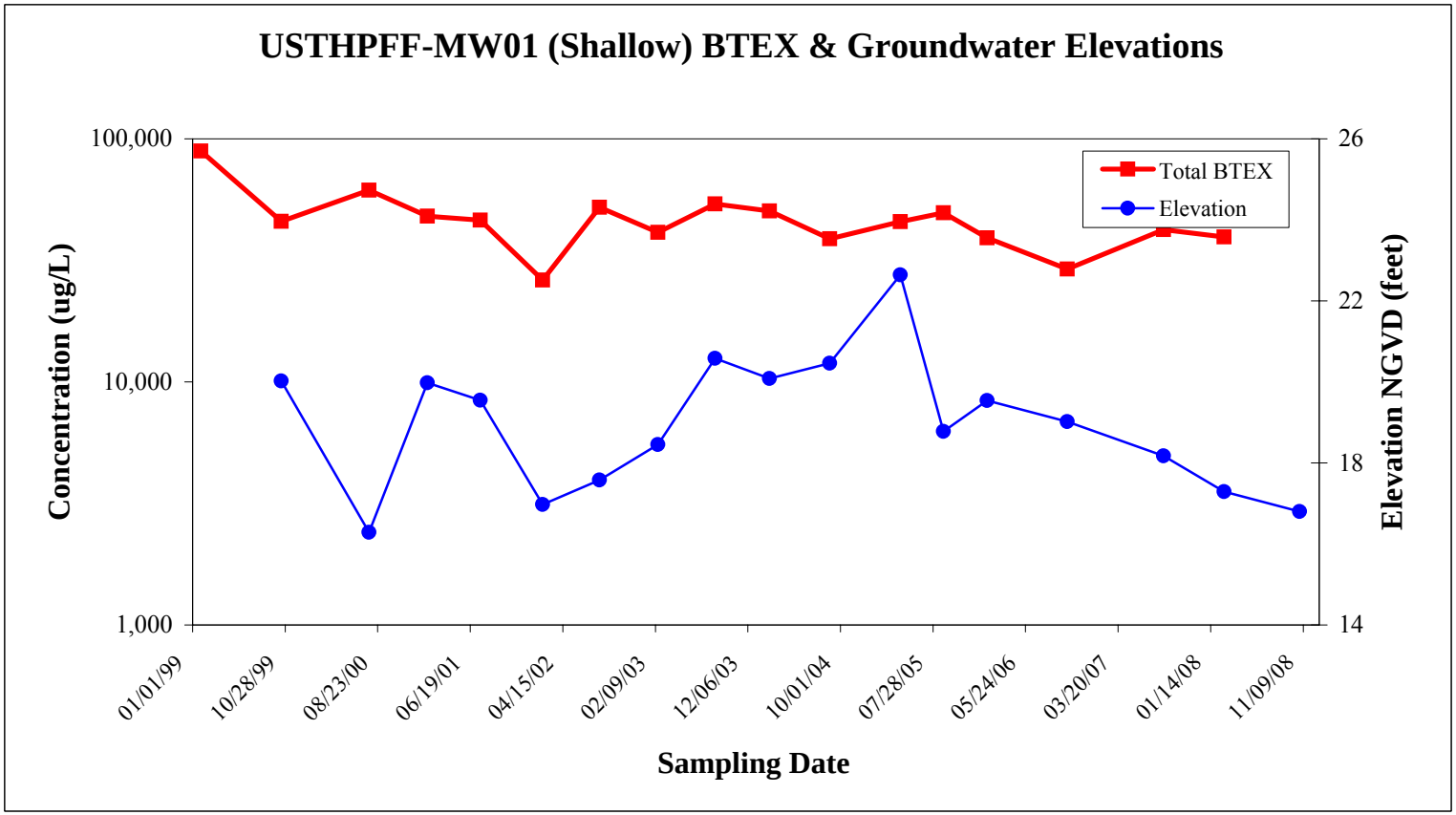
8/20/07	02/25/08	10/29/08
0		0
0		0
0		0
0		0
1		1
0		0
0		0
0		0
0		0
1		1
0		0
0		0
0		0
0		0
1		1
0		0
0		0
0		0
0		0
1		1
79	41	0
7.6	0.8	0
0	0	0
5.2	2.4	0
92	44	1
304.0	442.0	494
29.6	21.4	0
0.00	0.00	11.9
7	11	15
340.9	474.8	521.3
6	3	10
0	0	0.45
0	0	0.5
0	0	0
6	3	10.7
45	2	0
0	0	0
0	0	0
0	0	0
45	2	1

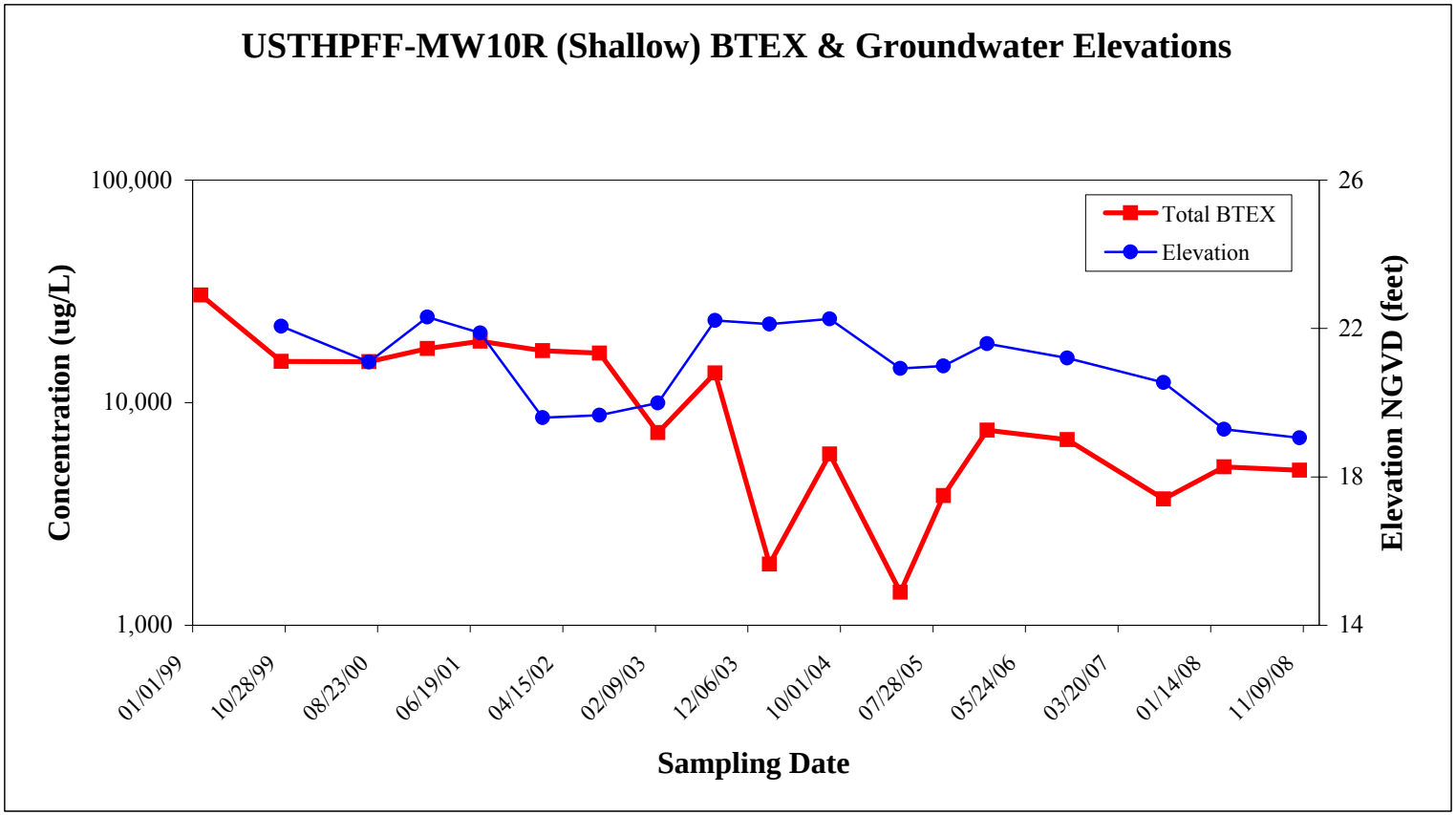
Result of "1" is actually <RL.
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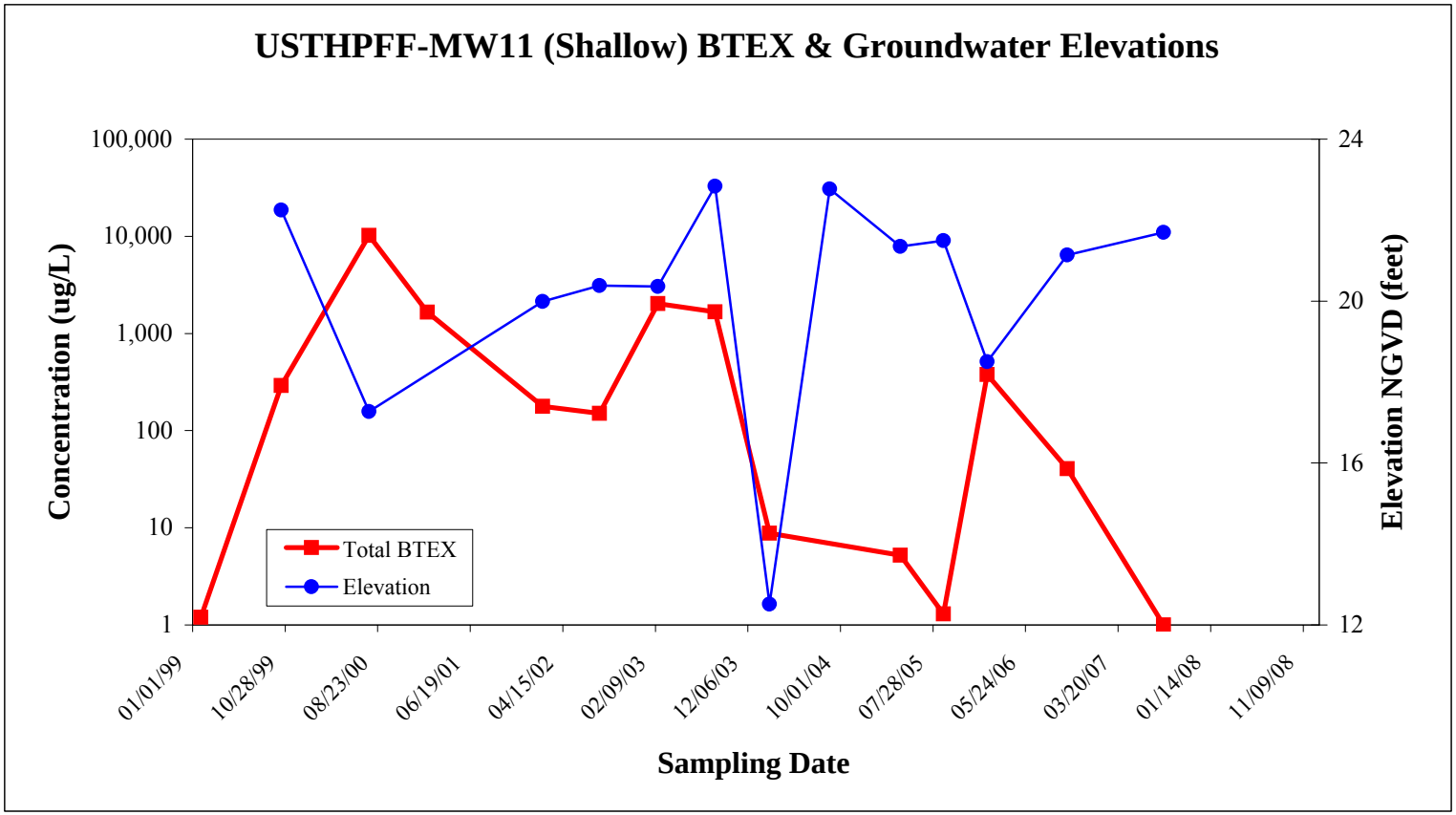
Hadnot NW Groundwater Analytical

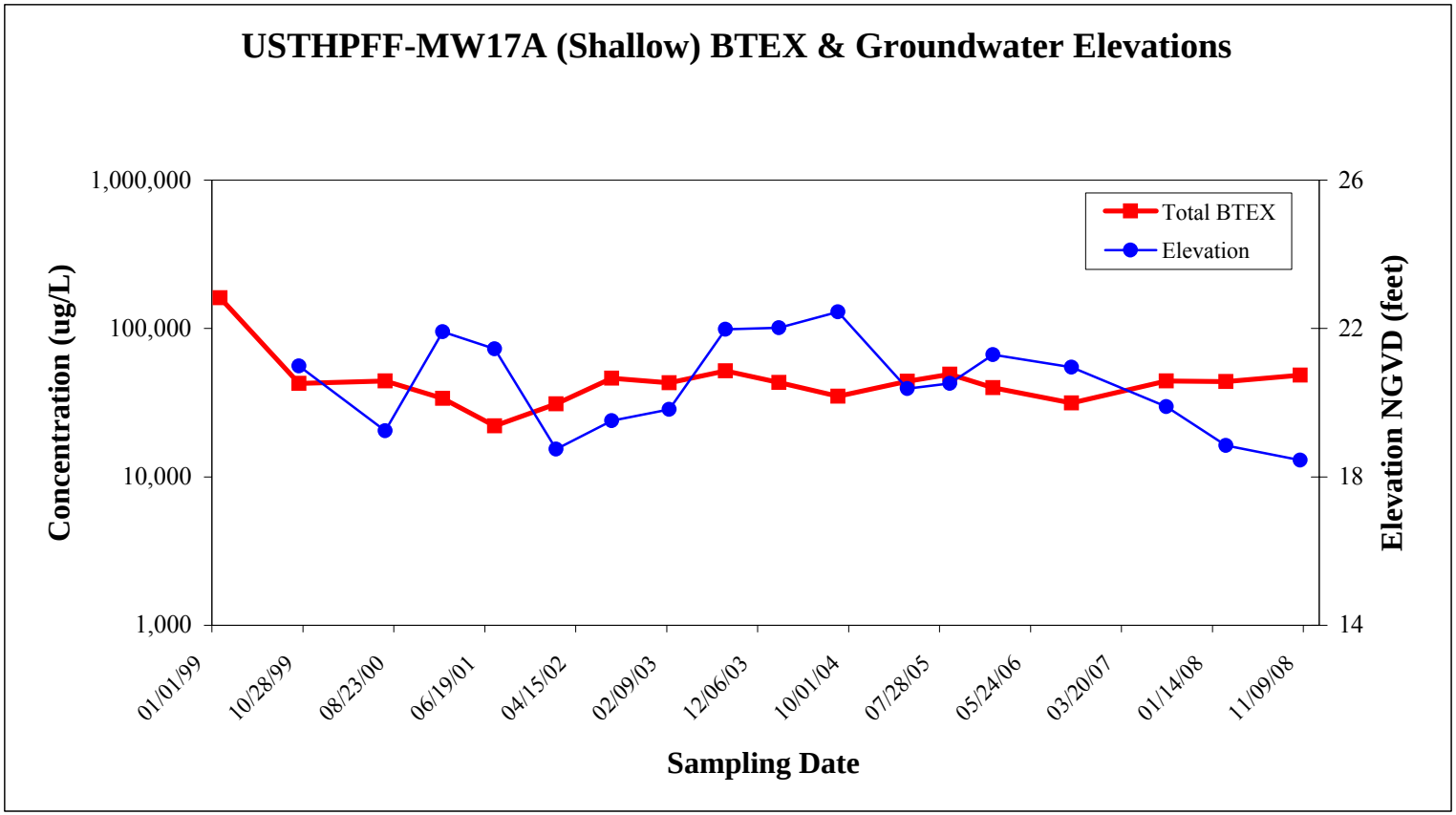
8/20/07	02/25/08	10/29/08
600	174	305
0.0	0.0	0
0	0	0
0.0	0.0	0
600.0	174.0	305
0		0
0		0.71
0		0
0		0
1		0.71
4	1	0
0.00	0.00	0
0	0	0
0	0	0
4.40	1.40	1
1	4	28
0.00	0.00	0.93
0	0	0
0	0	0
0.8	3.9	28.63
		101
		0.0
		0.0
		0.0
		101
1	71	0
0.4	0	0
1.0	0.89	0
2	0	0
3.7	71.9	1
21	2.3	16.7
0.0	0.0	0.4
0.0	0.0	0
0.0	0.0	0
21.4	2.3	17.1

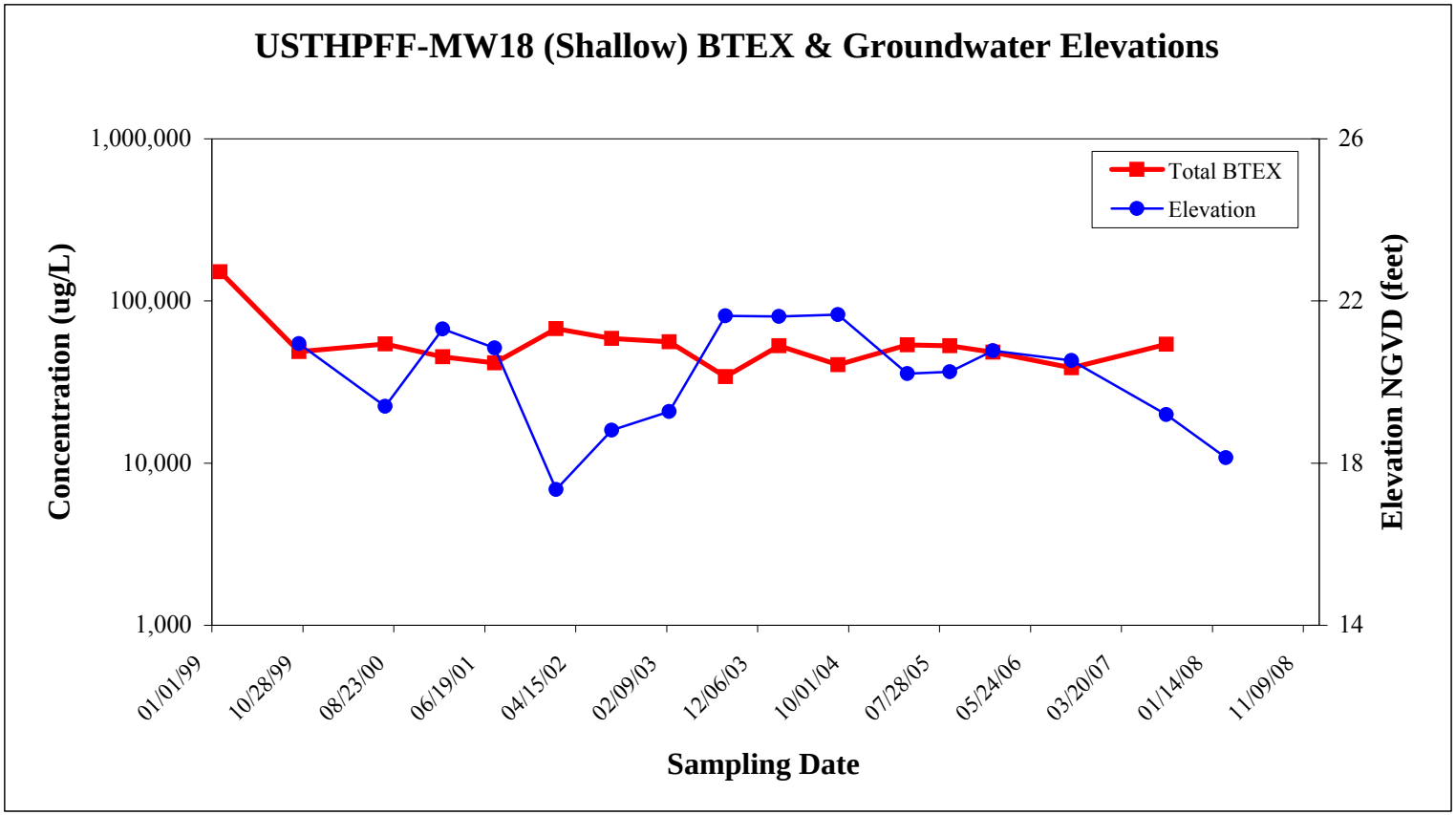
Result of "1" is actually <RL.
Dummied as "1" for graphing.

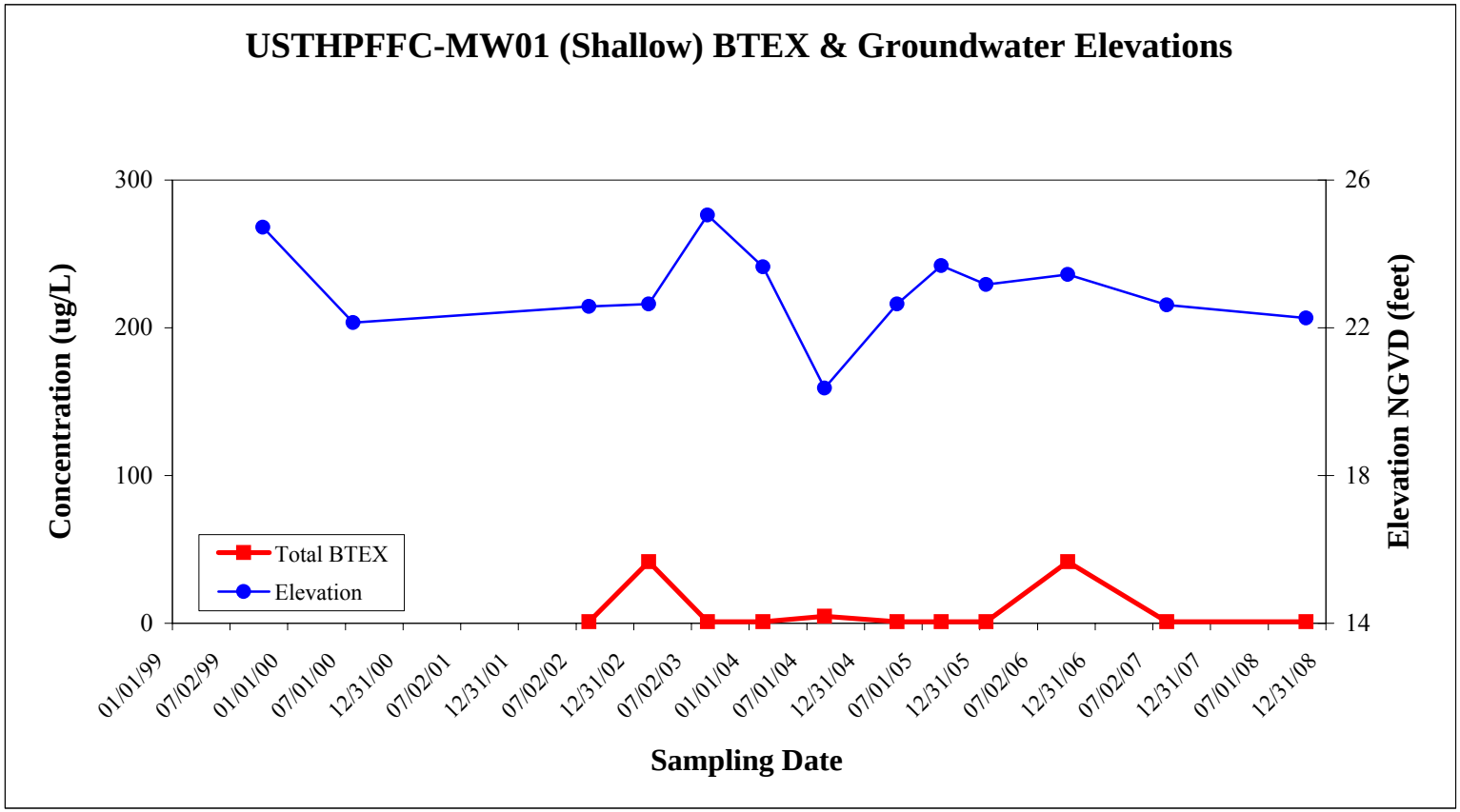

USTHPFF-MW01 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

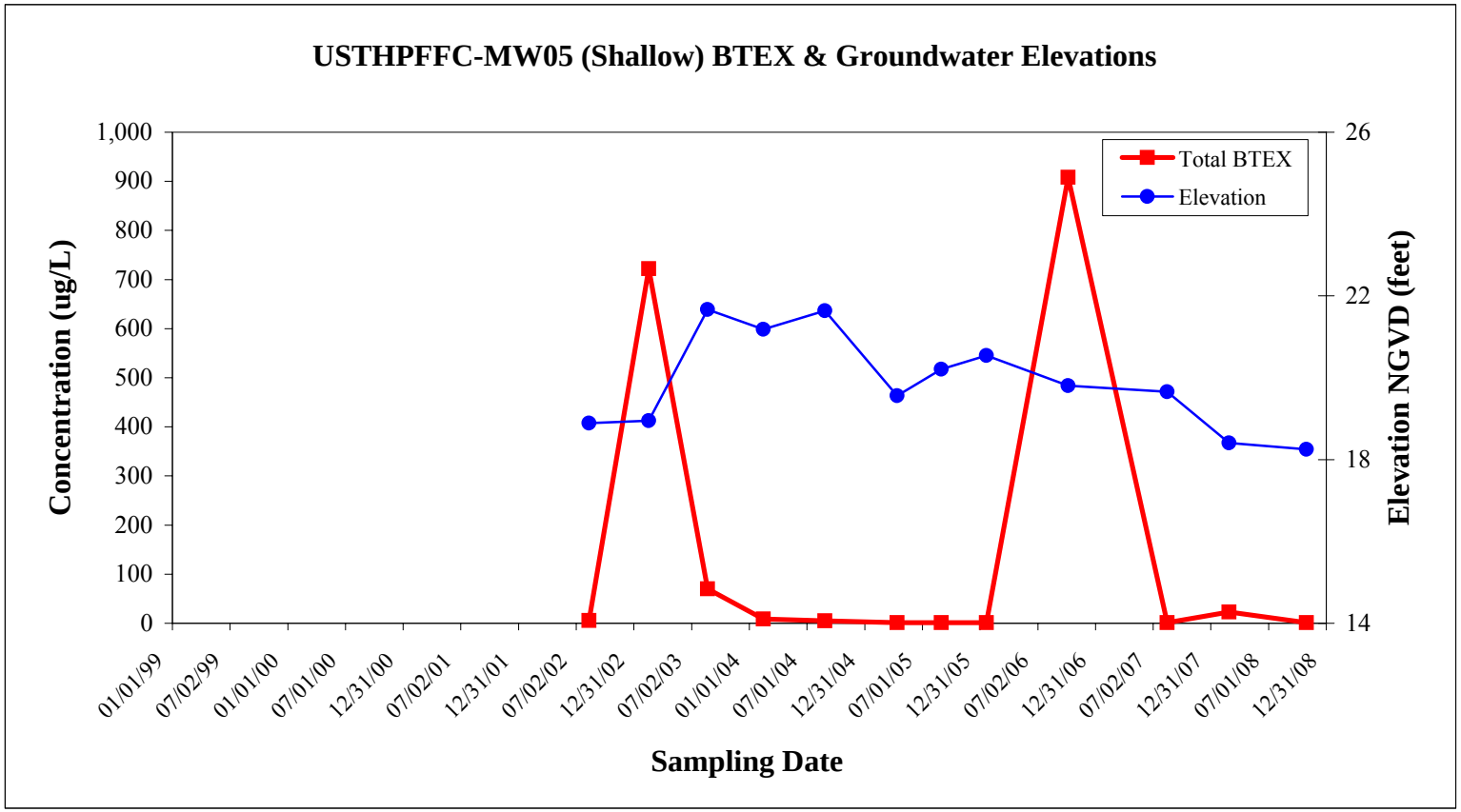

USTHPFF-MW10R (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
Total BTEX
Elevation
26
22
18
14
Elevation NGVD (feet)
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

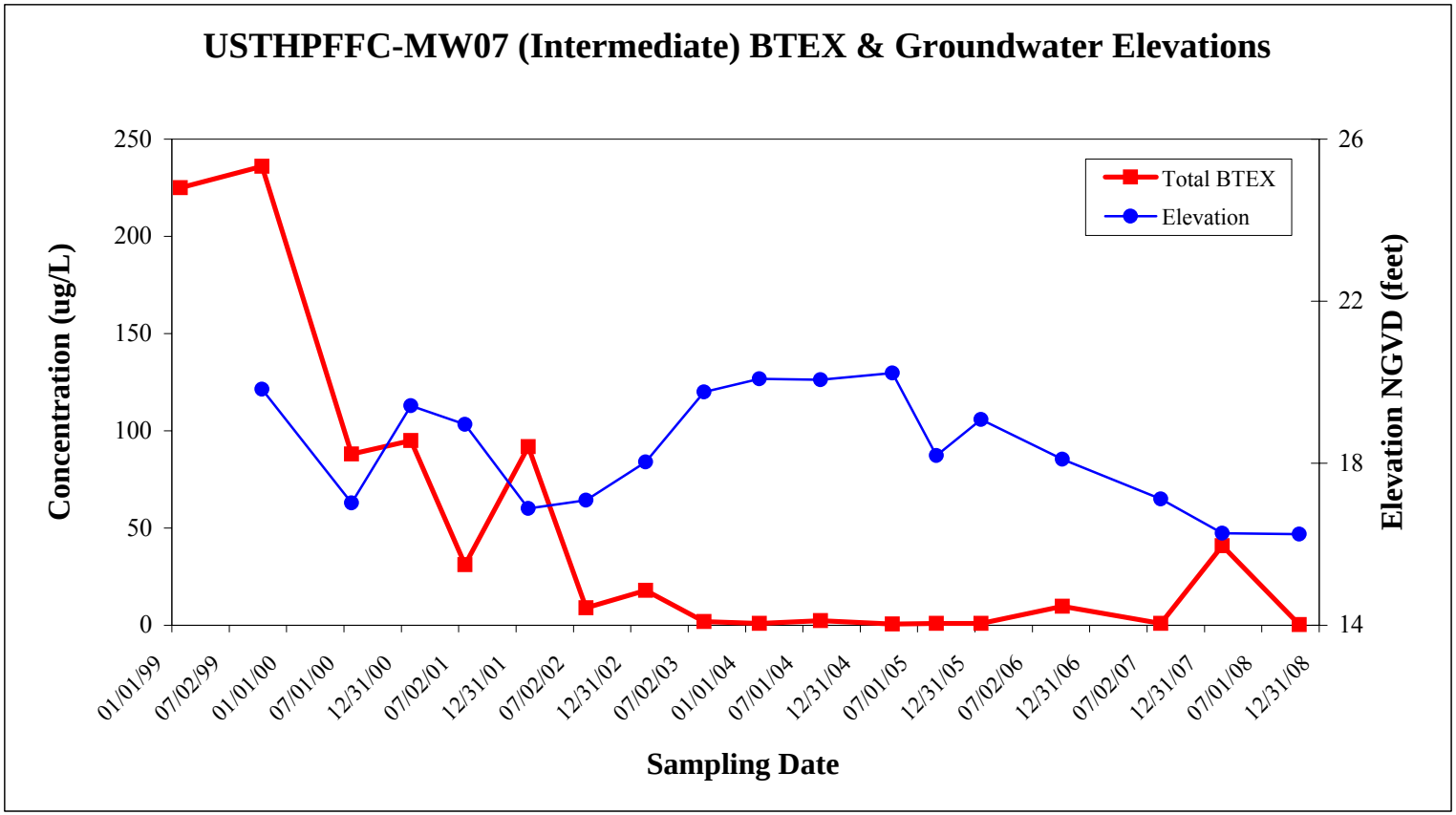

USTHPFF-MW11 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
100
10
1
Elevation NGVD (feet)
24
20
16
12
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

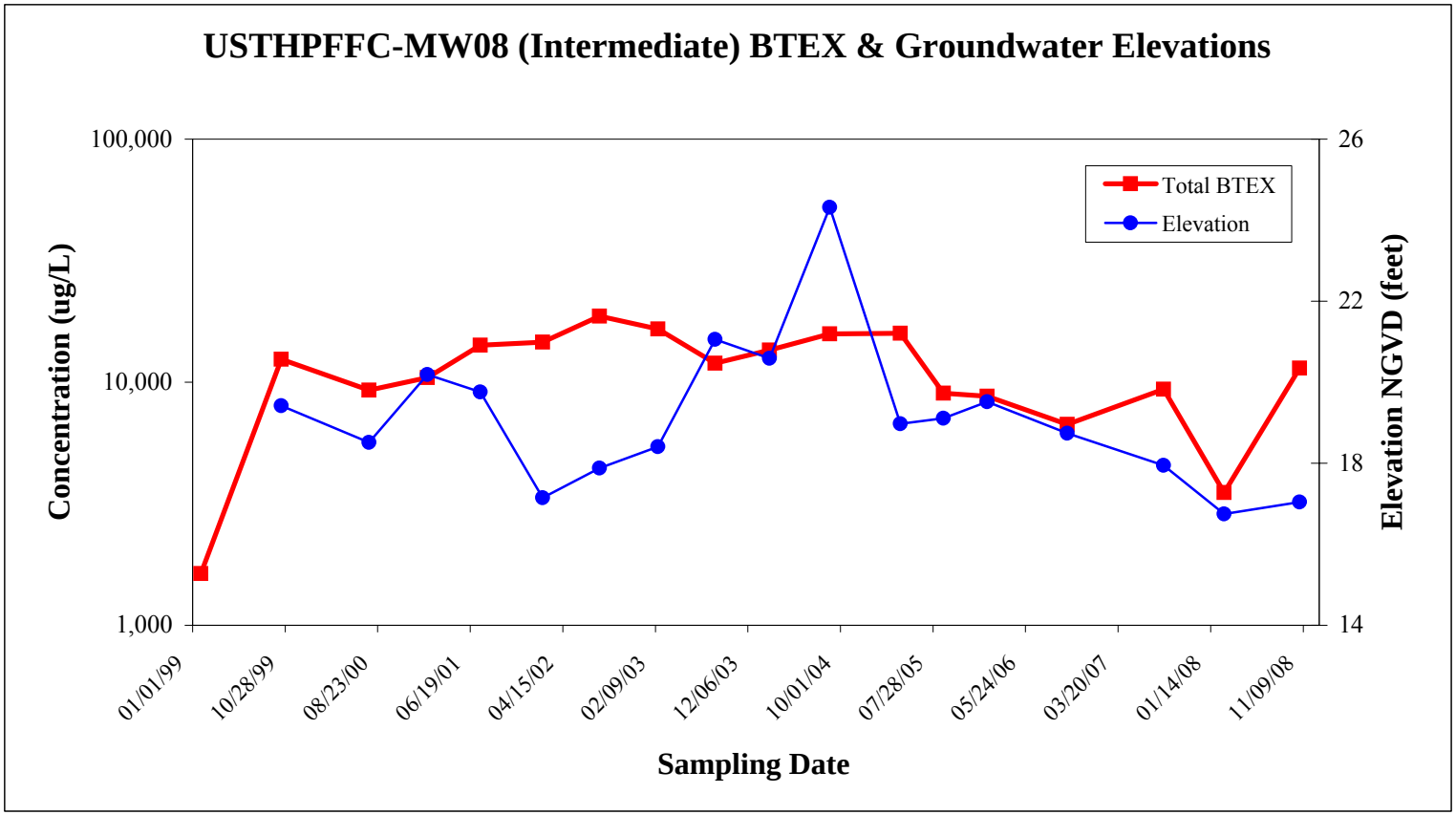

USTHPFF-MW17A (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
1,000,000
100,000
10,000
1,000
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

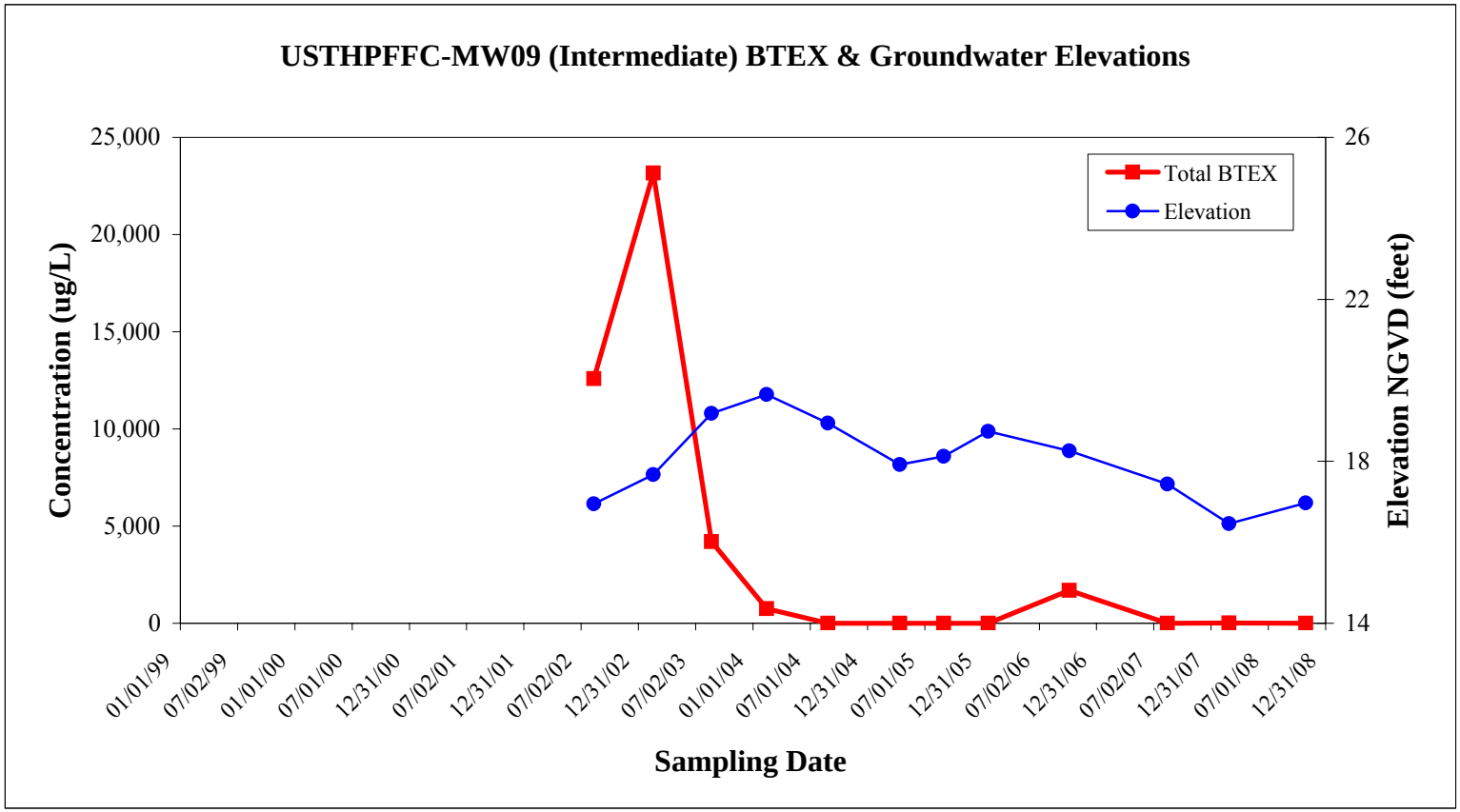

USTHPFF-MW18 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
1,000,000
100,000
10,000
1,000
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

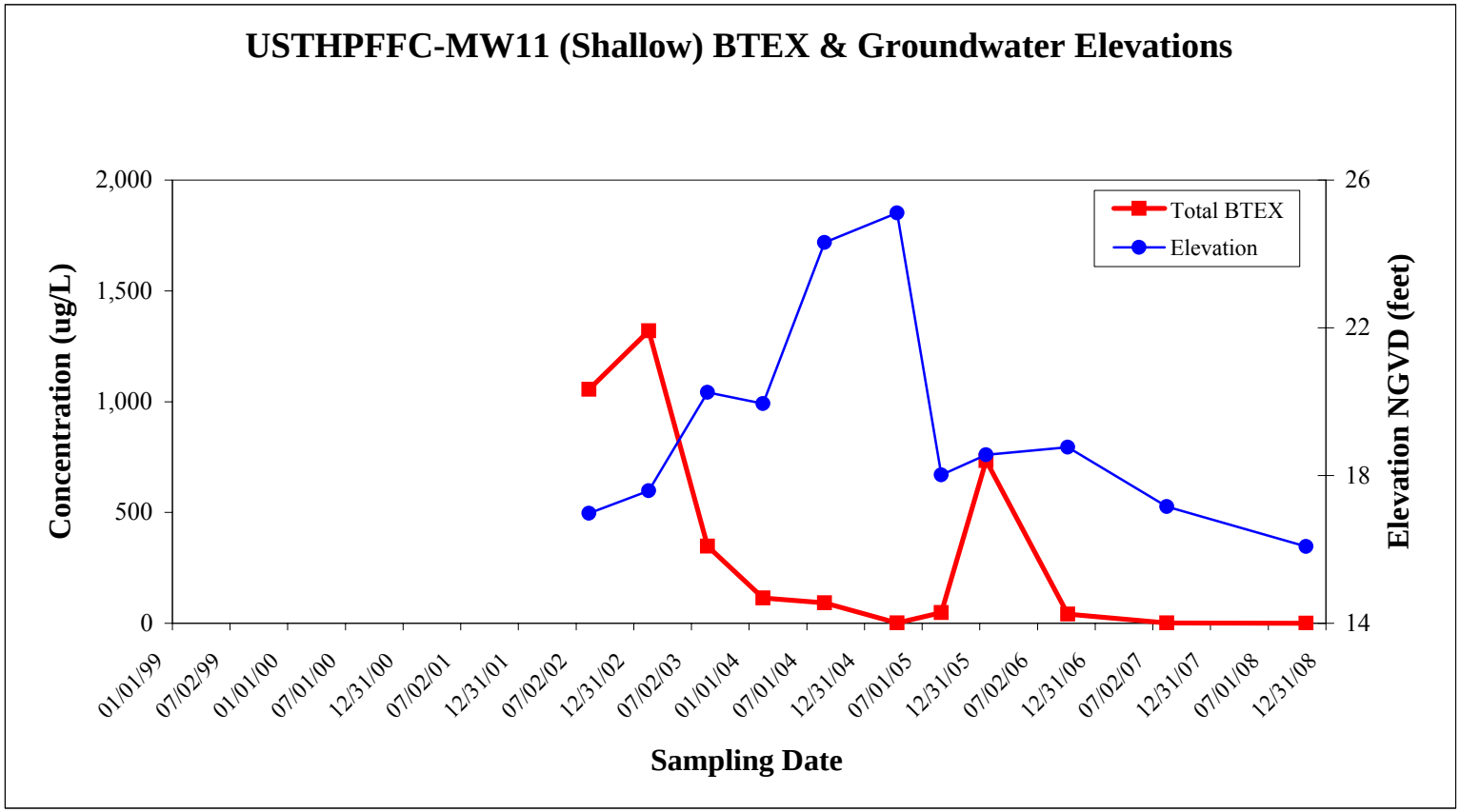

USTHPFFC-MW01 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
Elevation NGVD (feet)
300
200
100
0
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
12/31/08
Sampling Date

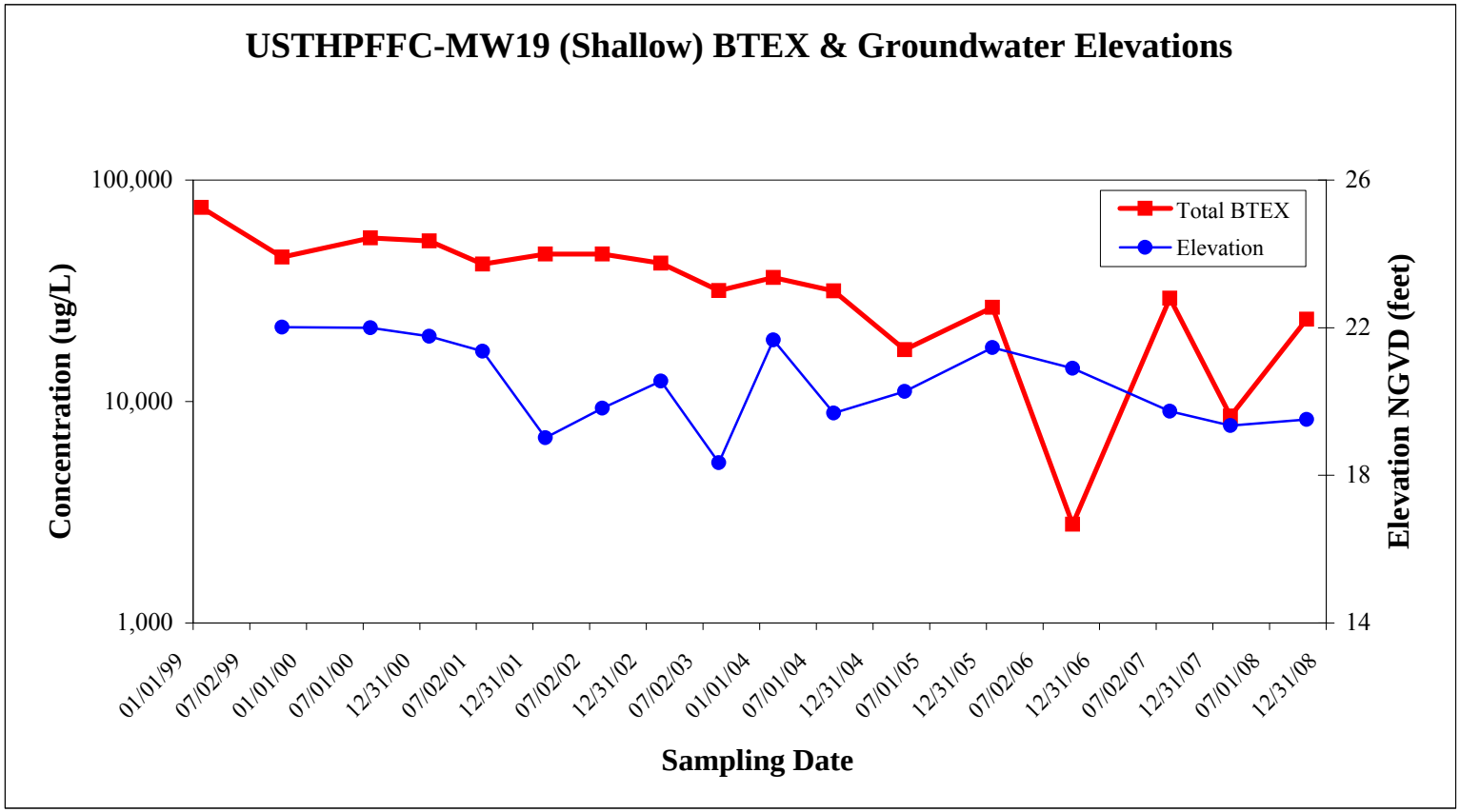

USTHPFFC-MW05 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
1,000
900
800
700
600
500
400
300
200
100
0
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
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12/31/07
07/01/08
12/31/08
Sampling Date

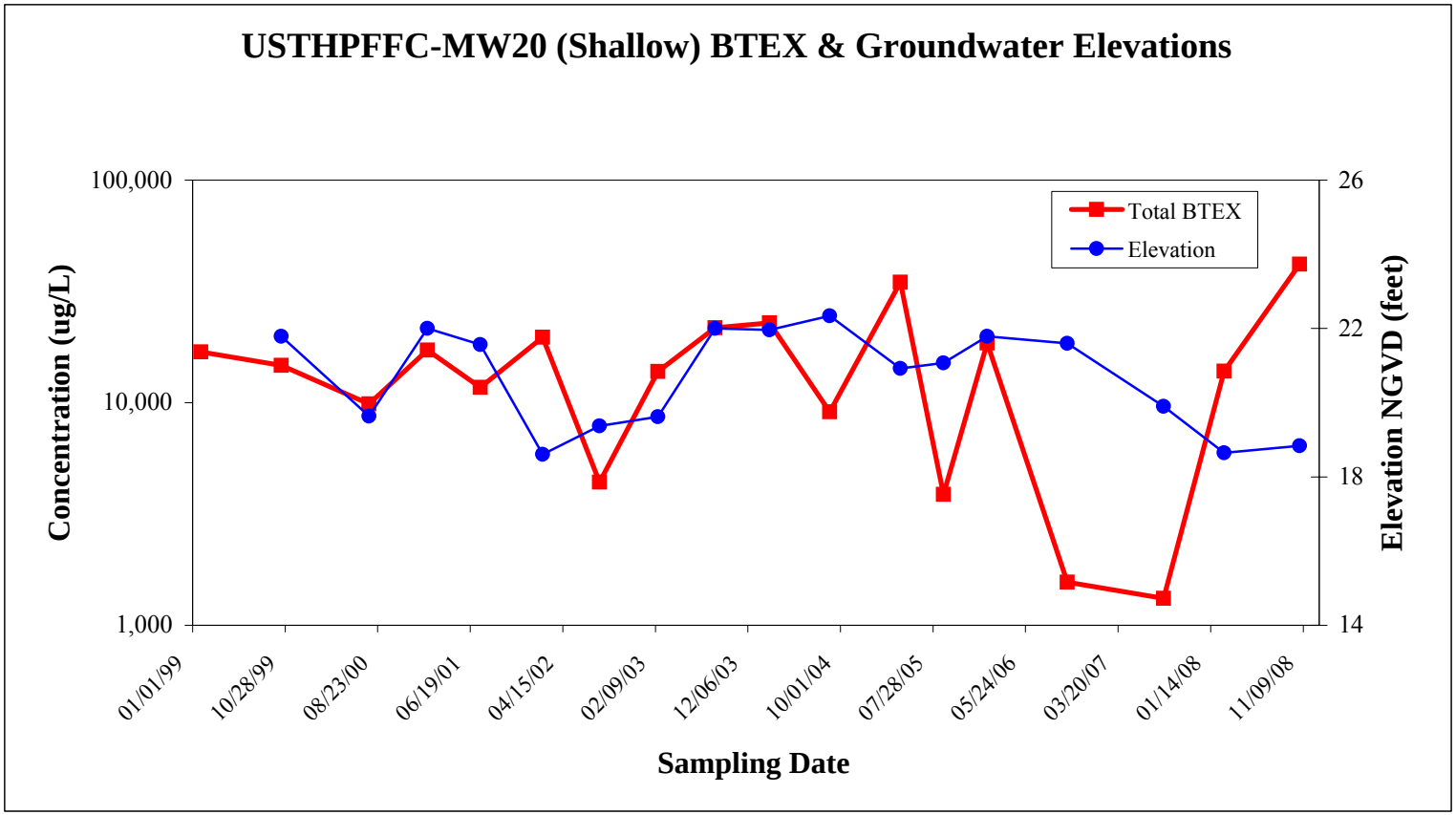

USTHPFFC-MW07 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
Elevation NGVD (feet)
Sampling Date
Total BTEX
Elevation
250
200
150
100
50
0
26
22
18
14
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
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07/01/08
12/31/08

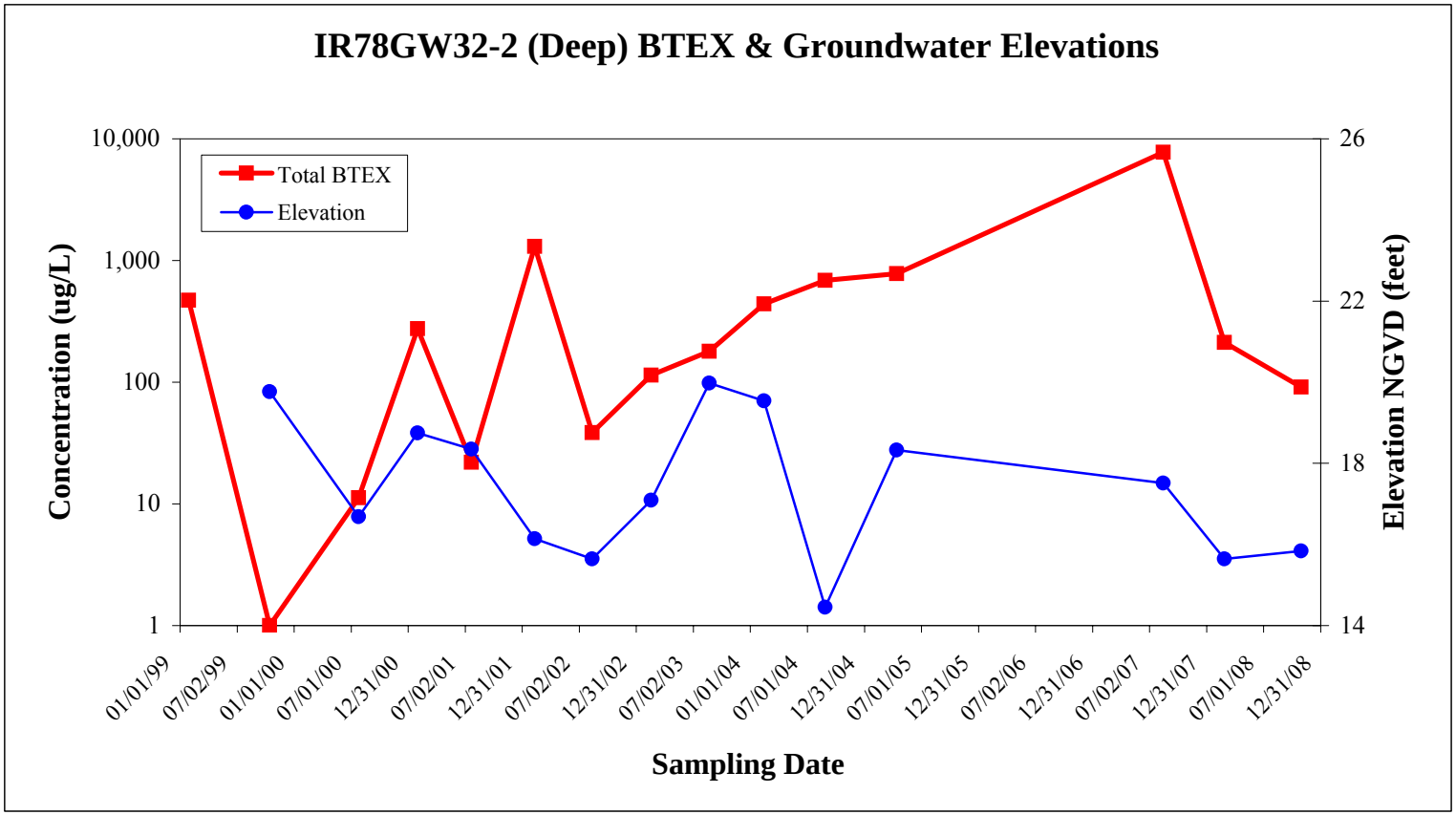

USTHPFFC-MW08 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
100,000
10,000
1,000
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date

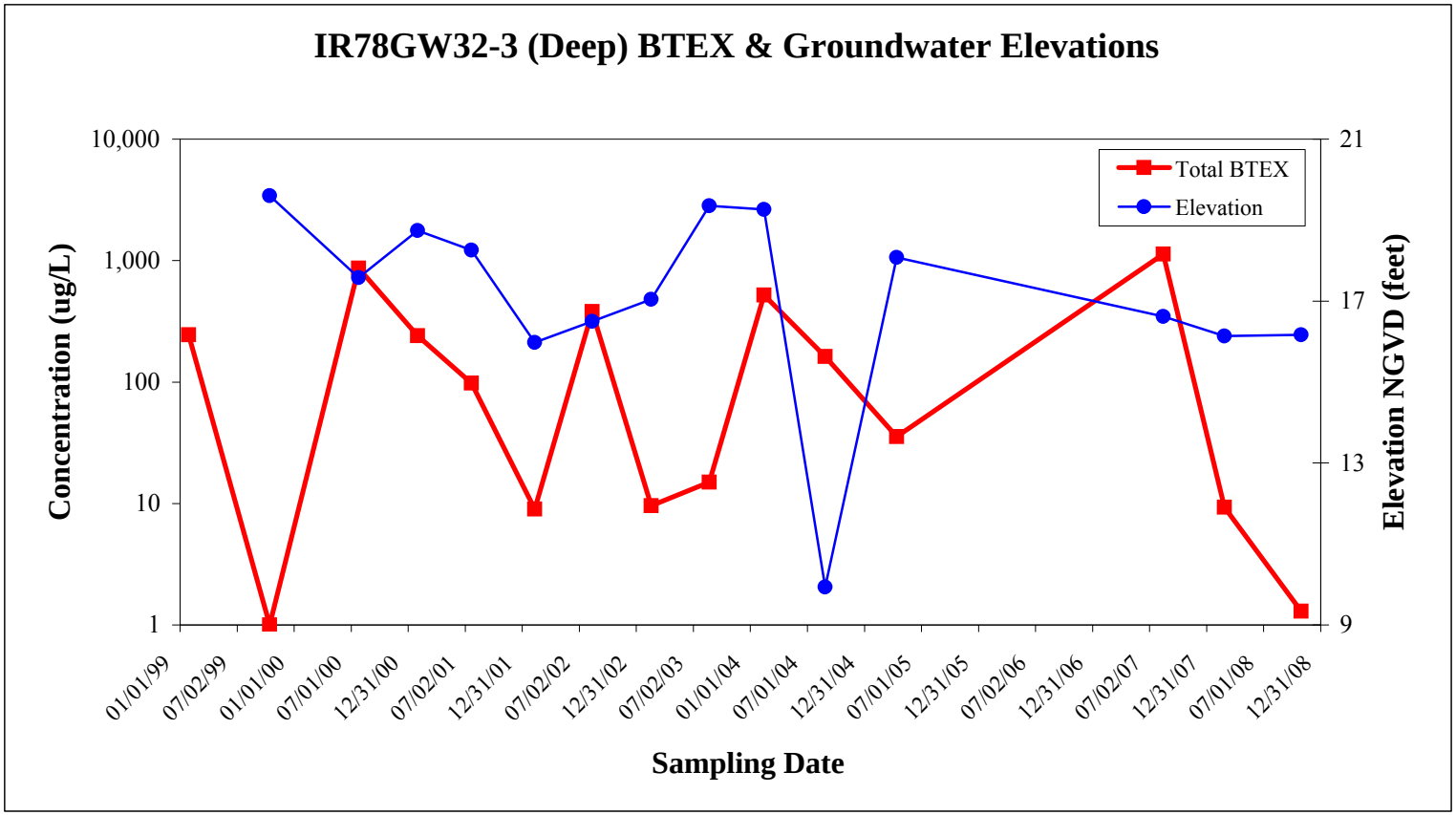

USTHPFFC-MW09 (Intermediate) BTEX & Groundwater Elevations
Concentration (ug/L)
25,000
20,000
15,000
10,000
5,000
0
Elevation NGVD (feet)
26
22
18
14
Total BTEX
Elevation
01/01/99
07/02/99
01/01/00
07/01/00
12/31/00
07/02/01
12/31/01
07/02/02
12/31/02
07/02/03
01/01/04
07/01/04
12/31/04
07/01/05
12/31/05
07/02/06
12/31/06
07/02/07
12/31/07
07/01/08
12/31/08
Sampling Date


USTHPFFC-MW11 (Shallow) BTEX & Groundwater Elevations
Concentration (ug/L)
2,000
1,500
1,000
500
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
07/01/08
12/31/08
Sampling Date


USTHPFFC-MW19 (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
07/01/08
12/31/08
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
10/28/99
08/23/00
06/19/01
04/15/02
02/09/03
12/06/03
10/01/04
07/28/05
05/24/06
03/20/07
01/14/08
11/09/08
Sampling Date


IR78GW32-2 (Deep) BTEX & Groundwater Elevations
Total BTEX
Elevation
Concentration (ug/L)
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
07/01/08
12/31/08
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
12/31/08
Sampling Date

Hadnot SE Well Gauging Data

Well	HPFFC-1		HPFFC-19		HPFFC-20		MW-1		MW-10R		MW-11		MW-17A	
TOC	27.97		26.21		28.29		27.97		33.46		28.3		31.6	
Date	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth
01/28/99														
10/15/99	24.72	3.25	22.01	4.20	21.79	6.50	20.02	7.95	22.06	11.40	22.25	6.05	20.99	10.61
07/26/00	22.14	5.83	22.00	4.21	19.64	8.65	16.29	11.68	21.10	12.36	17.27	11.03	19.24	12.36
01/31/01			21.77	4.44	22.00	6.29	19.98	7.99	22.31	11.15			21.91	9.69
07/22/01			21.36	4.85	21.57	6.72	19.55	8.42	21.88	11.58			21.45	10.15
02/09/02			19.02	7.19	18.61	9.68	16.97	11.00	19.60	13.86	19.99	8.31	18.75	12.85
08/12/02	22.58	5.39	19.82	6.39	19.37	8.92	17.58	10.39	19.66	13.80	20.38	7.92	19.51	12.09
02/17/03	22.64	5.33	20.55	5.66	19.62	8.67	18.45	9.52	19.99	13.47	20.36	7.94	19.82	11.78
08/22/03	25.05	2.92	18.34	7.87	22.00	6.29	20.58	7.39	22.22	11.24	22.84	5.46	21.98	9.62
02/14/04	23.65	4.32	21.67	4.54	21.96	6.33	20.08	7.89	22.12	11.34	12.51	15.79	22.02	9.58
08/27/04	20.37	7.60	19.69	6.52	22.34	5.95	20.46	7.51	22.26	11.20	22.77	5.53	22.45	9.15
04/13/05	22.64	5.33	20.27	5.94	20.92	7.37	22.64	5.33	20.92	12.54	21.35	6.95	20.38	11.22
08/31/05	23.68	4.29			21.07	7.22	18.78	9.19	20.99	12.47	21.49	6.81	20.52	11.08
01/20/06	23.17	4.80	21.46	4.75	21.79	6.50	19.54	8.43	21.59	11.87	18.50	9.80	21.29	10.31
10/06/06	23.44	4.53	20.90	5.31	21.60	6.69	19.02	8.95	21.20	12.26	21.14	7.16	20.96	10.64
08/15/07	22.62	5.35	19.74	6.47	19.90	8.39	18.17	9.80	20.54	12.92	21.70	6.60	19.89	11.71
02/27/08			19.35	6.86	18.65	9.64	17.29	10.68	19.28	14.18			18.85	12.75
10/29/08	22.26	5.71	19.51	6.70	18.84	9.45	16.80	11.17	19.05	14.41			18.45	13.15

Highlighted data confirmed with field logs.

Hadnot SE Well Gauging Data

Well	MW-18		HPFFC-7		HPFFC-8		GW-32-2		GW-32-3		HPFFC-5		HPFFC-9	
TOC	31.45		27.88		34.52		26.87		27.20		26.94		26.74	
Date	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth
01/28/99														
10/15/99	20.95	10.50	19.83	8.05	19.42	15.10	19.77	7.10	19.60	7.60				
07/26/00	19.40	12.05	17.02	10.86	18.51	16.01	16.68	10.19	17.58	9.62				
01/31/01	21.31	10.14	19.42	8.46	20.19	14.33	18.75	8.12	18.74	8.46				
07/22/01	20.84	10.61	18.96	8.92	19.76	14.76	18.35	8.52	18.26	8.94				
02/09/02	17.35	14.10	16.88	11.00	17.15	17.37	16.14	10.73	15.98	11.22				
08/12/02	18.81	12.64	17.09	10.79	17.88	16.64	15.64	11.23	16.50	10.70	18.89	8.05	16.95	9.79
02/17/03	19.27	12.18	18.03	9.85	18.41	16.11	17.09	9.78	17.04	10.16	18.95	7.99	17.67	9.07
08/22/03	21.63	9.82	19.76	8.12	21.06	13.46	19.98	6.89	19.35	7.85	21.67	5.27	19.18	7.56
02/14/04	21.62	9.83	20.08	7.80	20.59	13.93	19.54	7.33	19.26	7.94	21.18	5.76	19.65	7.09
08/27/04	21.66	9.79	20.06	7.82	24.32	10.20	14.45	12.42	9.94	17.26	21.64	5.30	18.94	7.80
04/13/05	20.21	11.24	20.23	7.65	18.97	15.55	18.33	8.54	18.08	9.12	19.56	7.38	17.92	8.82
08/31/05	20.25	11.20	18.19	9.69	19.11	15.41					20.21	6.73	18.12	8.62
01/20/06	20.77	10.68	19.08	8.80	19.52	15.00					20.54	6.40	18.74	8.00
10/06/06	20.53	10.92	18.10	9.78	18.74	15.78					19.81	7.13	18.26	8.48
08/15/07	19.20	12.25	17.12	10.76	17.95	16.57	17.51	9.36	16.62	10.58	19.66	7.28	17.44	9.30
02/27/08	18.13	13.32	16.27	11.61	16.75	17.77	15.64	11.23	16.14	11.06	18.41	8.53	16.46	10.28
10/29/08			16.25	11.63	17.04	17.48	15.84	11.03	16.17	11.03	18.25	8.69	16.97	9.77

Highlighted

Hadnot SE Well Gauging Data

Well	HPFFC-11	
TOC	32.06	
Date	Elevation	Depth
01/28/99		
10/15/99		
07/26/00		
01/31/01		
07/22/01		
02/09/02		
08/12/02	16.98	15.08
02/17/03	17.59	14.47
08/22/03	20.25	11.81
02/14/04	19.95	12.11
08/27/04	24.31	7.75
04/13/05	25.11	6.95
08/31/05	18.02	14.04
01/20/06	18.56	13.50
10/06/06	18.77	13.29
08/15/07	17.16	14.90
02/27/08		
10/29/08	16.08	15.98

Highlighted

Hadnot SE Groundwater Analytical

LOCATION	PARAMETER	01/28/99	10/15/99	07/26/00	01/31/01	07/22/01	02/09/02	08/12/02	02/17/03	08/22/03	02/14/04	08/27/04	04/13/05	08/31/05	01/20/06	10/06/06
HPFFC-1	benzene	0	5.4	2.2	42			0	32.3	0	0	3.8	0	0	0	26
	toluene	0	13	3.5	16			0	4.5	0	0	0.88	0	0	0	7
	ethylbenzene	0	42	13	120			0	2.4	0	0	0	0	0	0	5
	xylenes	0	40	14	81			0	2.4	0	0	0	0	0	0	4
	Total BTEX	1	100.4	32.7	259			1	41.6	1	1	4.68	1	1	1	42
HPFFC-19	benzene	28,000	12,000	17,000	19,000	13,000	15,000	16,800	16,300	7,760	11,300	10,900	3,720		12,100	1,110
	toluene	32,000	23,000	26,000	23,000	19,000	20,300	20,600	17,800	10,600	13,800	12,300	8,230		9,910	975
	ethylbenzene	3,100	2,000	2,100	2,000	1,600	1,780	1,580	1,420	481	847	723	858		711	93
	xylenes	12,000	7,900	9,600	9,000	8,100	9,300	7,360	6,630	12,800	10,300	7,660	4,350		3,920	615
	Total BTEX	75,100	44,900	54,700	53,000	41,700	46,380	46,340	42,150	31,641	36,247	31,583	17,158		26,641	2,793
HPFFC-20	benzene	2,600	3,400	4,400	4,700	2,800	3,070	1,250	3,280	6,020	6,430	3,030	13,200	1,030	4,050	453
	toluene	10,000	8,600	1,100	9,200	6,400	11,400	2,090	7,630	8,790	9,790	2,770	13,200	498	10,600	130
	ethylbenzene	1,000	500	770	430	0	656	247	551	112	444	362	954	537	698	265
	xylenes	3,300	2,200	3,600	2,900	2,500	4,570	813	2,330	6,770	6,140	2,920	7,400	1,810	3,180	712
	Total BTEX	16,900	14,700	9,870	17,230	11,700	19,696	4,400	13,791	21,692	22,804	9,082	34,754	3,875	18,528	1,560
MW-1	benzene	16,000	9,400	11,000	8,300	7,700	3,280	5,710	5,380	6,670	4,970	3,180	4,480	4,140	2,860	2,790
	toluene	41,000	24,000	29,000	25,000	25,000	14,100	22,200	22,000	26,200	25,500	20,700	22,200	24,400	20,300	15,000
	ethylbenzene	6,100	2,400	4,500	2,700	2,600	1,460	4,720	2,280	3,950	3,580	2,620	3,670	3,850	2,850	1,980
	xylenes	26,000	10,000	17,000	12,000	11,000	7,370	19,700	11,600	17,200	16,500	12,300	15,300	17,200	13,100	9,330
	Total BTEX	89,100	45,800	61,500	48,000	46,300	26,210	52,330	41,260	54,020	50,550	38,800	45,650	49,590	39,110	29,100
MW-10R	benzene	5,200	2,200	3,300	5,200	5,800	4,410	3,780	2,340	2,830	197	480	487	1,060	1,770	1,280
	toluene	15,000	7,500	7,900	5,900	5,800	5,530	5,790	2,380	5,070	650	2,210	288	929	2,190	1,990
	ethylbenzene	1,900	610	770	1,100	1,200	1,120	946	352	843	175	602	108	319	631	650
	xylenes	8,300	5,000	3,300	5,300	6,100	6,040	6,190	2,260	4,830	861	2,590	524	1,510	2,940	2,900
	Total BTEX	30,400	15,310	15,270	17,500	18,900	17,100	16,706	7,332	13,573	1,883	5,882	1,407	3,818	7,531	6,820
MW-11	benzene	1.2	40	2,500	480		64.4	26.2	274	957	6.5		5.2	1.3	53.6	3.7
	toluene	0	140	4,300	450		71	87.1	1,160	319	0		0	0	32.6	1.0
	ethylbenzene	0	16	430	140		11	9.5	98.3	19.5	1.1		0	0	2.2	0.0
	xylenes	0	94	3,000	580		31	28	501	378	1.2		0	0	288	36
	Total BTEX	1.2	290	10,230	1,650		177.4	150.8	2,033.3	1,673.5	8.8		5.2	1.3	376.4	40.7
MW-17A	benzene	7,700	5,400	6,700	16,000	12,000	12,200	6,140	5,720	6,830	5,520	4,910	6,500	7,380	5,630	4,480
	toluene	46,000	25,000	25,000	13,000	7,500	14,000	27,200	22,800	27,200	24,800	20,000	22,300	26,200	22,800	16,400
	ethylbenzene	23,000	2,400	2,500	620	0	675	2,910	3,260	3,860	2,690	2,070	3,300	3,270	2,260	2,240
	xylenes	84,000	9,800	10,000	4,200	2,600	4,100	9,950	11,300	13,900	10,200	7,990	12,000	12,300	9,200	8,280
	Total BTEX	160,700	42,600	44,200	33,820	22,100	30,975	46,200	43,080	51,790	43,210	34,970	44,100	49,150	39,890	31,400
MW-18	benzene	28,000	15,000	16,000	12,000	11,000	18,900	18,200	16,900	5,440	12,900	7,040	12,800	12,300	12,400	10,300
	toluene	65,000	25,000	29,000	24,000	22,000	36,100	30,300	30,000	15,100	27,100	17,800	27,800	28,400	26,100	20,400
	ethylbenzene	12,000	1,400	1,400	1,300	1,100	1,830	1,520	1,370	1,930	1,800	1,950	1,870	1,680	1,220	1,090
	xylenes	46,000	7,300	8,000	8,000	7,400	10,700	8,790	7,670	11,700	11,000	13,700	11,100	10,600	8,650	6,840
	Total BTEX	151,000	48,700	54,400	45,300	41,500	67,530	58,810	55,940	34,170	52,800	40,490	53,570	52,980	48,370	38,630

Result of "1" is actually <RL.
Dummied as "1" for graphing.

Hadnot SE Groundwater Analytical

LOCATION	PARAMETER	01/28/99	10/15/99	07/26/00	01/31/01	07/22/01	02/09/02	08/12/02	02/17/03	08/22/03	02/14/04	08/27/04	04/13/05	08/31/05	01/20/06	10/06/06
HPFFC-7	benzene	79	63	23	13	4.2	24.9	1.6	9.5	0.79	0	1.5	0	0	0	5
	toluene	10	41	2.7	26	0	36.4	0	5.4	0	0	0	0	0	0	2
	ethylbenzene	100	91	58	28	27	15.5	7.4	1.8	1.1	0	0.9	0.56	0	0	2
	xylenes	36	41	4.4	28	0	15	0	1.2	0	0	0	0	0	0	1
	Total BTEX	225	236	88.1	95	31.2	91.8	9	17.9	1.89	1	2.4	0.56	1	1	10
HPFFC-8	benzene	1,300	8,000	7,100	7,700	10,000	12,300	14,600	10,900	7,420	10,200	11,500	10,600	7,710	7,480	4,940
	toluene	170	1,900	720	1,100	1,900	725	1,190	2,150	1,690	1,230	1,540	1,680	145	327	765
	ethylbenzene	0	730	480	540	590	714	903	878	740	609	627	859	349	331	303
	xylenes	160	1,800	980	1,100	1,700	882	2,020	2,610	2,130	1,530	2,130	2,750	801	617	695
	Total BTEX	1,630	12,430	9,280	10,440	14,190	14,621	18,713	16,538	11,980	13,569	15,797	15,889	9,005	8,755	6,703
GW-32-2	benzene	170	0	8.9	39	1.9	228	13.1	109	176	325	321	604			
	toluene	18	0	0	30	3	0	15.5	1.7	3.5	43.9	149	48.4			
	ethylbenzene	190	0	1.1	86	8	95.2	1.4	1.9	0	16	37.4	15.4			
	xylenes	94	0	1.2	120	9.2	984	8.6	1.7	0	55.7	178	110			
	Total BTEX	472	1	11.2	275	22	1,307.2	38.6	114.3	179.5	440.6	685.4	777.8			
GW-32-3	benzene	84	0	25	7.3	98	2.7	124	7.1	0.64	20.9	28.9	8.2			
	toluene	120	0	310	82	0	2.2	88.7	1.2	2.4	183	60.6	5.5			
	ethylbenzene	5.6	0	110	31	0	0	14	1.3	1.4	59.8	8.7	1.4			
	xylenes	35	0	420	120	0	4.1	153	0	10.5	255	64	20.5			
	Total BTEX	244.6	1	865	240.3	98	9	379.7	9.6	14.94	518.7	162.2	35.6			
HPFFC-5	benzene							0.7	674	44.2	8.4	4.1	0	0	0	156
	toluene							0	4.6	13.4	0	0.92	0	0	0	485
	ethylbenzene							0.53	33.6	5.2	0	0.0	0	0	0	50
	xylenes							4.6	9.9	7.4	0	0.0	0	0	0	217
	Total BTEX							5.83	722.1	70.2	8.4	5.02	1	1	1	908
HPFFC-9	benzene							10,800	22,600	4,090	727	0.88	0.76	0	0	323
	toluene							0	62.4	0	0	0	1.2	0	0	849
	ethylbenzene							621	363	96.4	23.2	0	0.57	0	0	101
	xylenes							1,160	137	9.2	0	0	3.5	0	0	416
	Total BTEX							12,581	23,162.4	4,195.6	750.2	0.88	6.03	1	1	1,689
HPFFC-11	benzene							809	489	348	114	89.6	0	44.7	96.7	41.2
	toluene							84.5	580	0	0	0.56	0.68	0.83	471	0
	ethylbenzene							52.1	63.6	0	0	2.6	0.64	0	33.5	0
	xylenes							110	187	0	0	0	0	2.9	133	0
	Total BTEX							1,055.6	1,319.6	348	114	92.76	1.32	48.43	734.2	41.2

Result of "1" is actually <RL.
Dummied as "1" for graphing.

Hadnot SE Groundwater Analytical

08/15/07	02/27/08	10/29/08
0		0
0		0
0		0
0		0
1		1
13,700	3,760	8,790
970	447	7,990
11,200	2,330	991
3,350	2,040	5,740
29,220	8,577	23,511
374	3,210	6,810
272	1,040	25,300
77	7,360	1,610
599	2,260	8,130
1,322	13,870	41,850
4,530	3,910	
2,270	2,860	
22,200	19,500	
13,300	13,200	
42,300	39,470	
1,240	720	928
307	494	702
828	1,420	638
1,320	2,520	2,700
3,695	5,154	4,968
0		
0		
0		
0		
1		
7,240	6,480	7,460
2,740	2,720	26,500
26,600	25,200	3,280
7,780	9,420	11,200
44,360	43,820	48,440
15,400		
1,180		
29,500		
7,940		
54,020		

Result of "1" is actually <RL.
Dummied as "1" for graphing.

Hadnot SE Groundwater Analytical

08/15/07	02/27/08	10/29/08
2	11	0
0	3	0.38
0	19	0
0	8	0
1	41	0.38
7,730	2,760	7,270
323	163	1,650
324	134	485
979	455	2,020
9,356	3,512	11,425
915	34	13.3
705	13	28.1
2,930.0	96.3	6.3
3,200	69	43.4
7,750.0	211.6	91.1
74.6	1.0	1.3
54.0	1.0	0
321.0	3.4	0
679	4	0
1,128.6	9.3	1.3
0	4	0
0	2	0
0	5	0
0	12	0
1	23	1
0	16	0
0	1	0
0	0	0
0	0	0
1	17	1
0		0
0		0.47
0		0
0		0
1		0.47

Result of "1" is actually <RL.
Dummied as "1" for graphing.

APPENDIX G

HADNOT POINT INDUSTRIAL AREA (HPIA)
BUILDING AIR MONITORING DATA

BUILDING 1068

Time 1255 Bldg 1068 Date 5-2-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp 80°		
Winds NNE @ 7MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID

Jeff Moon

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1100 Bldg 1068 Date 5-9-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp 77°		
Winds SW @ 16 MPH		
Conditions T-Storms		
Comments		

Confirmed Oreading by FID

J.M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1320 Bldg 1068 Date 5-14-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp 76°		
Winds WNW @ 7MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID

J.M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1350 Bldg 1068 Date 6-6-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp 92°		
Winds SSW @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1425 Bldg 1068 Date 7-31-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 8 MPH		
Conditions Partly Cloudy		
Comments		

Confirmed 0 readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1130 Bldg 1068 Date 8-13-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds ESE @ 10 MPH		
Conditions Rain		
Comments		

Confirmed 0 readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1115 Bldg 1068 Date 9/8/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp 87		
Winds CALM		
Conditions CLEAR		
Comments		

Readings Confirmed By FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1140 Bldg 1068 Date 11/13/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp	50-60's	
Winds	Slight	
Conditions	Rain	
Comments		

Readings Confirmed By FID.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1400 Bldg 1068 Date 12/3/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp 50's		
Winds Calm		
Conditions Sunny		
Comments		

Readings confirmed by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1500 Bldg 1068 Date 11/8/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp	50's	
Winds	Calm	
Conditions	PC	
Comments	Readings Confirmed By FID LE	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1030 Bldg 1068 Date 2/18/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp	40-50's	
Winds	Slight	
Conditions	Rain	
Comments	Readiness Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1430 Bldg 1068 Date 3/9/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp	60's	
Winds	Slight	
Conditions	Sunny	
Comments	Readings Confirmed by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1330 Bldg 1068 Date 3/16/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
Temp	40's	
Winds	slight	
Conditions	cloudy	
Comments	Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

BUILDING 1100

Time 1155 Bldg 1100 Date 5-2-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp 78°		
Winds NNE @ 5 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID

Jeff Moon

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1010 Bldg 1100 Date 5-9-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds SW @ 16 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID

J.M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1225 Bldg 1100 Date 5-14-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds We 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID

J. M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1255 Bldg 1100 Date 6-6-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 7MPH		
Conditions Sunny		
Comments		

Confirmed 0 reading by FID
Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1325 Bldg 1100 Date 7-31-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 7 MPH		
Conditions Partly Cloudy		
Comments		

Confirmed 0 readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1020 Bldg 1100 Date 8-13-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp 74°		
Winds ESE @ 8 MPH		
Conditions Rain		
Comments		

Confirmed 0 readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1020 Bldg 1100 Date 9/8/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp 83°		
Winds calm		
Conditions clear		
Comments		

Readings Confirmed by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1350 Bldg 1100 Date 11/13/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp	50'S - 60'S	
Winds	SLIGHT	
Conditions	RAIN	
Comments	Readings confirmed by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 0930 Bldg 1100 Date 12/3/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp 40's		
Winds Calm		
Conditions Sunny		
Comments		

Readings confirmed by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 13.40 Bldg 1100 Date 1/8/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
Temp	50's	
Winds	Calm	
Conditions	pc	
Comments	Readings Confirmed By FID LE.	

F = Floor Area
B = Breathing Zone
C = Ceiling

BUILDING 1101

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 5-1-08
Time: 1105
Weather: Sunny
Temp: 76°

Field # 1: 2470 PPM

Field # 2: 3797 PPM

Field # 3: 167 PPM

Field # 4: 499 PPM

Stack Reading: 1589 PPM LEL: 26

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 5-8-08
Time: 1230
Weather: Cloudy
Temp: 76°

Field # 1	1358	PPM
Field # 2	3481	PPM
Field # 3	119	PPM
Field # 4	248	PPM

Stack Reading 771 PPM LEL 6

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 5-14-08
Time: 1015
Weather: Sunny
Temp: 72°

Field # 1	1991	PPM
Field # 2	4843	PPM
Field # 3	167	PPM
Field # 4	498	PPM

Stack Reading 1378 PPM LEL 18

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 5-20-08
Time: 1505
Weather: Partly Sunny
Temp: 73°

Field # 1 2079 PPM

Field # 2 5633 PPM

Field # 3 177 PPM

Field # 4 426 PPM

Stack Reading 1348 PPM LEL 18

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 5-28-08
Time: 1240
Weather: Cloudy
Temp: 73°

Field # 1 322 PPM

Field # 2 813 PPM

Field # 3 66 PPM

Field # 4 118 PPM

Stack Reading 334 PPM LEL 4

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 6-6-08
Time: 1130
Weather: Sunny
Temp: 88°

Field # 1	1702	PPM
Field # 2	2888	PPM
Field # 3	275	PPM
Field # 4	438	PPM

Stack Reading 1316 PPM LEL 26

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 6-11-08
Time: 1140
Weather: Sunny
Temp: 83°

Field # 1 1279 PPM

Field # 2 2171 PPM

Field # 3 204 PPM

Field # 4 287 PPM

Stack Reading 778 PPM LEL 13

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 6-18-08
Time: 1310
Weather: Partly Sunny
Temp: 82°

Field # 1 1450 PPM

Field # 2 2981 PPM

Field # 3 223 PPM

Field # 4 319 PPM

Stack Reading 692 PPM LEL 8

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 6-26-08
Time: 1050
Weather: Sunny
Temp: 84°

Field # 1 1381 PPM

Field # 2 2205 PPM

Field # 3 91 PPM

Field # 4 118 PPM

Stack Reading 688 PPM LEL 11

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 7-18-08
Time: 1115
Weather: Partly Sunny
Temp: 83°

Field # 1	1981	PPM
Field # 2	3268	PPM
Field # 3	147	PPM
Field # 4	369	PPM

Stack Reading 1123 PPM LEL 23

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 7-24-08
Time: 1540
Weather: Sunny
Temp: 88

Field # 1 690 PPM

Field # 2 1788 PPM

Field # 3 72 PPM

Field # 4 117 PPM

Stack Reading 588 PPM LEL 10

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 7-31-08
Time: 0950
Weather: Sunny
Temp: 81°

Field # 1 1136 PPM

Field # 2 2279 PPM

Field # 3 132 PPM

Field # 4 241 PPM

Stack Reading 914 PPM LEL 14

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 8-15-08
Time: 1430
Weather: Sunny
Temp: 85

Field # 1 984 PPM

Field # 2 2483 PPM

Field # 3 92 PPM

Field # 4 192 PPM

Stack Reading 618 PPM LEL 5

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 8-21-08
Time: 1230
Weather: Cloudy
Temp: 81°

Field # 1 819 PPM

Field # 2 2309 PPM

Field # 3 42 PPM

Field # 4 186 PPM

Stack Reading 506 PPM LEL 6

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 9/3/08
Time: 1050
Weather: sunny
Temp: 80's

Field # 1 893 PPM

Field # 2 2431 PPM

Field # 3 76 PPM

Field # 4 172 PPM

Stack Reading 524 PPM LEL 4

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 9/10/08
Time: 0550
Weather: Cloudy
Temp: 75°

Field # 1 1004 PPM

Field # 2 2531 PPM

Field # 3 112 PPM

Field # 4 212 PPM

Stack Reading 679 PPM LEL 5

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 9/17/08
Time: 1350
Weather: Rain
Temp: 70's.

Field # 1 798 PPM

Field # 2 2263 PPM

Field # 3 44 PPM

Field # 4 179 PPM

Stack Reading 593 PPM LEL 3

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 9/24/08
Time: 0850
Weather: Cloudy
Temp: 70's

Field # 1 931 PPM

Field # 2 2400 PPM

Field # 3 54 PPM

Field # 4 177 PPM

Stack Reading 638 PPM LEL 5

COMMENTS:

Camp Lejeune, NC Bldg 1101 Project ~~824603~~ 125709

Date: 9/30/08

Time: 0930

Weather: pc

Temp: 70's

Field # 1 539 PPM

Field # 2 1621 PPM

Field # 3 23.9 PPM

Field # 4 162.4 PPM

Stack Reading 293 PPM LEL 2

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 10/9/08
Time: 0850
Weather: Clear
Temp: 70

Field # 1 638 PPM

Field # 2 1592 PPM

Field # 3 56.8 PPM

Field # 4 173 PPM

Stack Reading 301 PPM LEL 0

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 10-17-2008
Time: 0904
Weather: Cloudy 70 °F
Temp: 70 °F
Brian Tew

Field # 1	685	PPM
Field # 2	1954	PPM
Field # 3	34.4	PPM
Field # 4	179.2	PPM

Stack Reading 245.7 PPM LBL _____
90 °F Temp

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 10-21-2008
Time: 1016
Weather: Sunny
Temp: 76.2

Field # 1	644.4	PPM
Field # 2	1625	PPM
Field # 3	13.2	PPM
Field # 4	178.5	PPM

Stack Reading 462.6 PPM LEL _____

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 10-30-2008
Time: 1310
Weather: Sunny
Temp: 68.1

Field # 1	0.0	PPM
Field # 2	100.3	PPM
Field # 3	3.3	PPM
Field # 4	8.8	PPM

Stack Reading 16.5 PPM LEL 0.0

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 11-8-2008
Time: 0858
Weather: Sunny
Temp: 80.2

Field # 1 103.6 PPM

Field # 2 342.8 PPM

Field # 3 10.6 PPM

Field # 4 25.8 PPM

Stack Reading 180.1 PPM LEL 2% O_2 19.7

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 11-14-08
Time: 1533
Weather: Cloudy / Rain / 76
Temp: 76°

Field # 1 161.8 PPM

Field # 2 22.3 PPM

Field # 3 6.1 PPM

Field # 4 98.5 PPM

Stack Reading 226.9 PPM LEL 2.0

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 11-20-2008
Time: 1140
Weather: Sunny
Temp: 62.5

Field # 1	44.2	PPM	"H_2O -14.5
Field # 2	113.6	PPM	-14.5
Field # 3	3.7	PPM	-14.6
Field # 4	27.4	PPM	-14.6

Stack Reading	130.6	PPM	LEL	2%
	0.0	"H_2O	O_2	19.6

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 11-25-08

Time: 1400

Weather: Sunny/Windy

Temp:

Field # 1	~~123~~ 122.3	PPM
Field # 2	157.4	PPM
Field # 3	7.6	PPM
Field # 4	48.3	PPM

Stack Reading 114.3 PPM LEL 0

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 12-4-08
Time: 0930
Weather: sunny
Temp: 65°F

Field # 1 879 PPM

Field # 2 2349 PPM

Field # 3 9 Ce PPM

Field # 4 212 PPM

Stack Reading 742 PPM LEL 2

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 12-10-08

Time: 1345

Weather: Rain

Temp: 62°

Field # 1 821 PPM

Field # 2 2256 PPM

Field # 3 104 PPM

Field # 4 229 PPM

Stack Reading 863 PPM LEL 2

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 12-19-2008
Time: 0929
Weather: Fog / 63.6 °F
Temp: 63.6 °F
BRIAN TIEU

Field # 1 194.6 PPM

Field # 2 491.7 PPM

Field # 3 9.9 PPM

Field # 4 58.2 PPM

Stack Reading 110.2 PPM LEL 5%

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 12-31-08
Time: 0900
Weather: Sunny/Windy
Temp: 60's

Field # 1 819 PPM

Field # 2 2309 PPM

Field # 3 42 PPM

Field # 4 186 PPM

Stack Reading 506 PPM LEL 6

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 1-8-09
Time: 0954
Weather: Cloudy / Windy
Temp: 51°

Field # 1 302.1 PPM

Field # 2 488.5 PPM

Field # 3 12.0 PPM

Field # 4 92.3 PPM

Stack Reading 259.3 PPM LEL Ø

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 11/23/09

Time: 1430

Weather: Cold Dry / Black Ice on Roads °F

Temp: 28°

Field # 1 ___ Ø ___ PPM

Field # 2 ___ Ø ___ PPM

Field # 3 ___ Ø ___ PPM

Field # 4 ___ Ø ___ PPM

Stack Reading ___ Ø ___ PPM LEL ___ Ø ___

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 1/28/09
Time: 11:49
Weather: Sunny/P.Cloudy
Temp: 64°

Field # 1 231.1 PPM

Field # 2 576.5 PPM

Field # 3 13.1 PPM

Field # 4 45.7 PPM

Stack Reading 202.5 PPM LEL Ø

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 2-6-09
Time: 1445
Weather: Sunny ~~57°~~
Temp: 58°

Field # 1 198.7 PPM

Field # 2 378.3 PPM

Field # 3 7.2 PPM

Field # 4 42.2 PPM

Stack Reading 176.6 PPM LEL 0

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 2/13/09
Time: 1100
Weather: Sunny/windy
Temp: 58.

Field # 1	247.6	PPM
Field # 2	639.8	PPM
Field # 3	28.7	PPM
Field # 4	75.9	PPM

Stack Reading 221.1 PPM LEL Ø

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 2-19-09
Time: @ 1630
Weather: Sunny
Temp: 50°

Field # 1 Down PPM

Field # 2 1220 PPM

Field # 3 70 PPM

Field # 4 94 PPM

Stack Reading 270 PPM LEL 1

COMMENTS: Field # 1 is Down due to Broken pipe

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 2-27-09
Time: 1025
Weather: partly 44
Temp: 44°

Field # 1 Down PPM

Field # 2 1360 PPM

Field # 3 72 PPM

Field # 4 101 PPM

Stack Reading 283 PPM LEL 1

COMMENTS: Field # 1 is Down due to Broken pipe

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 3/6/09
Time: 1350
Weather: Sunny
Temp: 60's

Field #1 off PPM

Field #2 274 PPM

Field #3 139 PPM

Field #4 176 PPM

Stack Reading 305 PPM LEL 0

COMMENTS: Field #1 Shutdown Due to Break in Piping

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 3-12-09
Time: 1000
Weather: 56° Cloudy
Temp: 56°

Field # 1 475 PPM

Field # 2 1190 PPM

Field # 3 39 PPM

Field # 4 83 PPM

Stack Reading 315 PPM LEL

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 3/19/09
Time: 1214
Weather: Sunny 70
Temp: 70°

Field # 1 530 PPM

Field # 2 1465 PPM

Field # 3 50 PPM

Field # 4 100 PPM

Stack Reading 340 PPM LEL 0

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: ~~1000~~ 3/27/09

Time: 1000

Weather: Cloudy 66°

Temp: 66°

Field # 1	240	PPM
Field # 2	727	PPM
Field # 3	22	PPM
Field # 4	65	PPM

Stack Reading 188 PPM LEL 0

COMMENTS:

Camp Lejeune, NC | Bldg 1101 | Project 824603

Date: 4-6-09
Time: 1045
Weather: cloudy WINDY
Temp: 60's

Field # 1 2015 PPM

Field # 2 5108 PPM

Field # 3 182 PPM

Field # 4 447 PPM

Stack Reading 1319 PPM LEL 6

COMMENTS:

Camp Lejeune, NC Bldg 1101 Project 824603

Date: 4-23-09
Time: 1215
Weather: 75° Sunny
Temp: 73

Field # 1 3220 PPM

Field # 2 1400 PPM

Field # 3 80 PPM

Field # 4 110 PPM

Stack Reading 284 PPM LEL 2

COMMENTS:

Camp Lejeune, MCB Header Readings Building 1101

Port #	Week 11/13/08					
	FID	LEL				
SP-1	0.0	0				
SP-2	0.0	0				
SP-3	0.0	0				
SP-4	0.0	0				
SP-5	0.0	0				
SP-6	0.0	0				
SP-7	0.0	0				
SP-8	0.0	0				
SP-9	0.0	0				
SP-10	0.0	0				
SP-11	0.0	0				
SP-12	0.2	0				
SP-13	2.1	0				
SP-14	27.1	0				
SP-15	0.0	0				
SP-16	6.0	0				
SP-17	74.1	0				
SP-18	91.4	0				
SP-19	266	2				
SP-20	782	4				
SP-21	243	8				
SP-22	2848	8				
SP-23	915	6				
SP-24	8658	35				
SP-25	259	4				

Camp Lejeune, MCB Header Readings Building 1101

Port #	Week 12/2/08					
	FID	LEL				
SP-1	0	0				
SP-2	0	0				
SP-3	0	0				
SP-4	0	0				
SP-5	0	0				
SP-6	0	0				
SP-7	0	0				
SP-8	0	0				
SP-9	0	0				
SP-10	0	0				
SP-11	0	0				
SP-12	0	0				
SP-13	0	0				
SP-14	0	0				
SP-15	0	0				
SP-16	0	0				
SP-17	38.5	0				
SP-18	42.6	0				
SP-19	105	0				
SP-20	96.1	0				
SP-21	126	0				
SP-22	827	2				
SP-23	345	2				
SP-24	2053	6				
SP-25	123	0				

Camp Lejeune, MCB Header Readings Building 1101

Port #	Week 1/8/09					
	FID	LEL				
SP-1	0	0				
SP-2	0	0				
SP-3	0	0				
SP-4	0	0				
SP-5	0	0				
SP-6	0	0				
SP-7	0	0				
SP-8	0	0				
SP-9	0	0				
SP-10	0	0				
SP-11	0	0				
SP-12	0	0				
SP-13	0	0				
SP-14	0	0				
SP-15	0	0				
SP-16	0	0				
SP-17	0	0				
SP-18	0	0				
SP-19	0	0				
SP-20	0	0				
SP-21	0	0				
SP-22	0	0				
SP-23	0	0				
SP-24	0	0				
SP-25	0	0				

No Readings in Headers Reconfirmed Next Day with another FID.

Camp Lejeune, NC Header Readings Building 1101

Port #	Date 2/18/09
	FID
SP-1	0
SP-2	0
SP-3	0
SP-4	0
SP-5	0
SP-6	0
SP-7	0
SP-8	0
SP-9	0
SP-10	0
SP-11	0
SP-12	360
SP-13	440
SP-14	0
SP-15	0
SP-16	0
SP-17	55
SP-18	120
SP-19	220
SP-20	250
SP-21	0
SP-22	0
SP-23	820
SP-24	4160
SP-25	0

Camp Lejeune, NC Header Readings Building 1101

Port #	Date 3/9/09
	FID
SP-1	0
SP-2	0
SP-3	0
SP-4	0
SP-5	0
SP-6	0
SP-7	0
SP-8	0
SP-9	0
SP-10	0
SP-11	0
SP-12	0
SP-13	76.4
SP-14	0
SP-15	0
SP-16	0
SP-17	187
SP-18	0
SP-19	162
SP-20	829
SP-21	796
SP-22	2314
SP-23	720
SP-24	4182
SP-25	124

Camp Lejeune, NC Header Readings Building 1101

Port #	Date 3/16/09
	FID
SP-1	Ø
SP-2	Ø
SP-3	Ø
SP-4	Ø
SP-5	Ø
SP-6	Ø
SP-7	Ø
SP-8	Ø
SP-9	Ø
SP-10	Ø
SP-11	Ø
SP-12	50
SP-13	100
SP-14	Ø
SP-15	Ø
SP-16	Ø
SP-17	50
SP-18	Ø
SP-19	190
SP-20	250
SP-21	250
SP-22	2000
SP-23	650
SP-24	3776
SP-25	Ø

Time 1100 Bldg 1101 COMM. Center Date 3/16/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp	40's.	
Winds	Slight	
Conditions	cloudy.	
Comments	Readings confirmed by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

BUILDING 1104

Time 1205 Bldg 1104 Date 5-2-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 79°		
Winds NNE @ 6 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1020 Bldg 1104 Date 5-9-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 76°		
Winds SW @ 16 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID
J. M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1235 Bldg 1104 Date 5-14-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds W @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID

J. M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1305 Bldg 1104 Date 6-6-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 7MPH		
Conditions Sunny		
Comments		

Confirmed Dreadings by FID
Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1340 Bldg 1104 Date 7-31-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 7 MPH		
Conditions Partly Cloudy		
Comments		

Confirmed 0 readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1030 Bldg 1104 Date 8-13-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds ESE @ 8 MPH		
Conditions Rain		
Comments		

Confirmed 0 readings by FID
Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1030 Bldg 1104 Date 9/8/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 83.		
Winds CALM		
Conditions CLEAR		
Comments		

Readings by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1315 Bldg 1104 Date 11/13/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	50-60's	
Winds	Slight	
Conditions	RAIN	
Comments	Readings confirmed by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 10 30 Bldg 1104 Date 12/3/08

Location	FID	LEL
1) F	~~0~~ 0.8	0
B	~~0~~ 0.8	0
C	~~0~~ 0.8	0
2) F	~~0~~ 0.9	0
B	~~0~~ 0.9	0
C	~~0~~ 0.9	0
3) F	~~0~~ 1.0	0
B	~~0~~ 1.0	0
C	~~0~~ 1.0	0
4) F	~~0~~ 7.8	0
B	~~0~~ 7.8	0
C	~~0~~ 7.8	0
5) F	~~0~~ 12.4	0
B	~~0~~ 12.3	0
C	~~0~~ 12.4	0
6) F	~~0~~ 11.9	0
B	~~0~~ 11.9	0
C	~~0~~ 11.9	0
7) F	~~0~~ 9.8	0
B	~~0~~ 9.8	0
C	~~0~~ 9.8	0
8) F	~~0~~ 10.4	0
B	~~0~~ 10.3	0
C	~~0~~ 10.5	0
Temp 50		
Winds Calm		
Conditions SUNNY		
Comments		

Readings BY FID Bldg Had Low FID Readings Reported TO Johana ARNOLD/JOE COLELLA. Rechecked Bldg 11/5 (FRIDAY) & MONDAY 11/8/08 Readings ~~at 0.0 ppm both~~ Additional DAY.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1400 Bldg 1104 Date 1/8/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	50's	
Winds	Calm	
Conditions	PC	
Comments	Readings confirmed by FID LE	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1010 Bldg 1104 Date 2/18/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	40-50's	
Winds	Slight	
Conditions	Rain	
Comments	Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1500 Bldg 1104 Date 3/9/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	60's	
Winds	Slight	
Conditions	Sunny	
Comments	Readings confirmed By FIP	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1400 Bldg 1104 Date 3/16/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	40's	
Winds	slight	
Conditions	Cloudy	
Comments	~~Comments~~ Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

BUILDING 1105

Time 1215 Bldg 1105 Date 5-2-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 79°		
Winds NNE @ 6 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 reading by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1030 Bldg 1105 Date 5-9-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 76°		
Winds SW @ 16 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID

J.M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1245 Bldg 1105 Date 5-14-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 76°		
Winds WSW @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID

D. M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1315 Bldg 1105 Date 6-6-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 92°		
Winds SSW @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID
Jeff Moon

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1350 Bldg 1105 Date 7-31-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 8 MPH		
Conditions Partly Cloudy		
Comments		

Confirmed Oreadings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1040 Bldg 1105 Date 8-13-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds ESE 10 MPH		
Conditions Rain		
Comments		

Confirmed 0 readings by FID

Jeff Main

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1040 Bldg 1105 Date 9/8/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 87		
Winds CALM		
Conditions CLEAR		
Comments		

Readings confirmed by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1330 Bldg 1105 Date 11/13/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	50-60's	
Winds	Slight	
Conditions	Rain	
Comments	Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1300 Bldg 1105 Date 12/3/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 50's		
Winds Calm		
Conditions Sunny		
Comments		

Readings confirmed by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1420 Bldg 1105 Date 1/8/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	50's	
Winds	CALM	
Conditions	PC	
Comments	Readings confirmed By FID LE	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 0950 Bldg 1105 Date 2/18/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	40-50's	
Winds	Slight	
Conditions	Rain	
Comments	Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1515 Bldg 1105 Date 3/9/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	60'S	
Winds	CALM	
Conditions	SUNNY	
Comments	Readings continued by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1415 Bldg 1105 Date 3/16/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	40's	
Winds	Slight	
Conditions	Cloudy	
Comments	Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

BUILDING 1111

Time 1150 Bldg 1111 Date 5-2-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp 78°		
Winds NNE @ 5 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID
Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1005 Bldg 1111 Date 5-9-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds SW @ 16 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID
J.M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1220 Bldg 1111 Date 5-14-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds W @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID
J.M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1250 Bldg 1111 Date 6-6-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID
Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1320 Bldg 1111 Date 7-31-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 7 MPH		
Conditions Partly Cloudy		
Comments		

Confirmed 0 readings by FID

Jeff Moon

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1015 Bldg 1111 Date 8-13-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp 74°		
Winds ESE @ 8 MPH		
Conditions Rain		
Comments		

Confirmed 0 readings by FID
Jeff Moon

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1010 Bldg 1111 Date 9/8/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp 83		
Winds CALM		
Conditions CLEAR.		
Comments		

Readings confirmed by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1410 Bldg 1111 Date 11/13/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp	50-60's	
Winds	slight	
Conditions	RAIN	
Comments	Readings Confirmed by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 0900 Bldg 1111 Date 12/3/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp 40's		
Winds CALM		
Conditions SUNNY		
Comments		

Readings continued by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1315 Bldg 1111 Date 11/8/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp	50's	
Winds	Calm	
Conditions	PC	
Comments	Readings Confirmed By FID ME	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 0930 Bldg 1111 Date 2/18/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp	40-50's	
Winds	Slight	
Conditions	Rain	
Comments	Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1530 Bldg 1111 Date 3/9/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp	60's	
Winds	Slight	
Conditions	Sunny	
Comments	Readings Confirmed by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1430 Bldg 1111 Date 3/16/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
9) F	0	0
B	0	0
C	0	0
Temp	40's	
Winds	Slight	
Conditions	Cloudy	
Comments	Readings confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

BUILDING 1114

Time 1220 Bldg 1114 Date 5-2-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 79°		
Winds NNE @ 6 MPH		
Conditions T Storms		
Comments		

Confirmed 0 readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1035 Bldg 1114 Date 5-9-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 76°		
Winds SW @ 16 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID
J.M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1300 Bldg 1114 Date 5-14-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 76°		
Winds WNW @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID
J. M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1320 Bldg 1114 Date 6-6-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 92°		
Winds SSW @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID
Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1400 Bldg 1114 Date 7-31-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 8 MPH		
Conditions Partly Cloudy		
Comments		

Confirmed 0 readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1050 Bldg 1114 Date 8-13-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds ESE @ 10 MPH		
Conditions Rain		
Comments		

Confirmed 0 readings by FID
Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1050 Bldg 1114 Date 9/8/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 87		
Winds CALM		
Conditions CLEAR		
Comments		

Readings continued by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1300 Bldg 1114 Date 11/13/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	50-60's	
Winds	Slight	
Conditions	Rain	
Comments	Readings Confirmed by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1340 Bldg 1114 Date 12/3/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 50's		
Winds Calm		
Conditions Sunny		
Comments		

Readings continued by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1440 Bldg 1114 Date 1/8/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	50's	
Winds	Calm	
Conditions	PC	
Comments	Readings Confirmed By FID. CE.	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 0915 Bldg 1114 Date 2/18/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	40-50	
Winds	Slight	
Conditions	Rain	
Comments	Readings confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1545 Bldg 1114 Date 3/9/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	60's	
Winds	Slight	
Conditions	Sunny	
Comments	Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1445 Bldg 1114 Date 3/16/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	40's	
Winds	SLight	
Conditions	Cloudy	
Comments	Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

BUILDING 1115

Time 1145 Bldg 1115 Date 5-2-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 78°		
Winds NNE @ 5 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID

Jeff Moon

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1000 Bldg 1115 Date 5-9-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds SW @ 16 MPH		
Conditions T-Storms		
Comments		

Confirmed 0 readings by FID

J.M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1215 Bldg 1115 Date 5-14-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 75°		
Winds W @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 readings by FID

J.M.

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1245 Bldg 1115 Date 6-6-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 7 MPH		
Conditions Sunny		
Comments		

Confirmed 0 reading by FID
Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1315 Bldg 1115 Date 7-31-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 91°		
Winds SW @ 7 MPH		
Conditions Partly Cloudy		
Comments		

Confirmed by FID 0 readings

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1610 Bldg 1115 Date 8-13-08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 74°		
Winds ESE @ 8 MPH		
Conditions Rain		
Comments		

Confirmed Readings by FID

Jeff Moore

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1000 Bldg 1115 Date 7/8/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 83°		
Winds Calm		
Conditions Clear		
Comments		

Confirmed Readings w/FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1420 Bldg 1115 Date 11/13/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	50-60	
Winds	Slight	
Conditions	Rain	
Comments	Readings confirmed by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 0830 Bldg 1115 Date 12/3/08

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp 40's		
Winds CALM		
Conditions SUNNY		
Comments		

Readings confirmed by FID

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1300 Bldg 1115 Date 1/8/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	60's	
Winds	Calm.	
Conditions	PC.	
Comments	Readings Confirmed By FID LE	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 0900 Bldg 1115 Date 2/18/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	50's	
Winds	Slight	
Conditions	Rain	
Comments	Readings confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1530 Bldg 1115 Date 3/9/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	60's	
Winds	Slight	
Conditions	Sunny	
Comments	Readings Confirmed By FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

Time 1300 Bldg 1115 Date 3/16/09

Location	FID	LEL
1) F	0	0
B	0	0
C	0	0
2) F	0	0
B	0	0
C	0	0
3) F	0	0
B	0	0
C	0	0
4) F	0	0
B	0	0
C	0	0
5) F	0	0
B	0	0
C	0	0
6) F	0	0
B	0	0
C	0	0
7) F	0	0
B	0	0
C	0	0
8) F	0	0
B	0	0
C	0	0
Temp	40's	
Winds	SLIGHT	
Conditions	Cloudy	
Comments	Readings Confirmed by FID	

F = Floor Area
B = Breathing Zone
C = Ceiling

HPFF BIO-PULSE AIR SPARGE VAPOR MONITORING CHECKLIST

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 3

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
11/13/08	1130		1108	SP-4	0.0	I-3	0	O-3	0
			1108	SP-7	0.0	I-4	0	O-4	0
			1108	SP-10	0.0	I-5	0	O-5	0
			1108	SP-13	0.0	I-7	0	O-7	0
			1108	SP-16	0.0	I-9	0	O-9	0
			1108	SP-19	0.0	I-10	0	O-10	0
	1020		1200	SP-3	0.0	I-11	0	O-11	0
			1200	SP-6	0.0	I-5	0	O-5	0
			1200	SP-9	0.0	I-8	0	O-8	0
	1040		1201	SP-4	0.0	I-3	0	O-3	0
			1201	SP-7	0.0	I-6	0	O-6	0
			1201	SP-10	0.0	I-8	0	O-8	0
			1201	SP-14	0.0	I-11	0	O-11	0
			1201	SP-17	0.0	I-13	0	O-13	0
			1201	SP-20	0.0	I-16	0	O-16	0
	1100		1202	SP-4	0.0	I-3	0	O-4	0
			1202	SP-5	0.0	I-11	0	O-22	0
			1202	SP-11	0.0	I-12	0	O-17	0
	1130		1301	SP-3	0.0	I-4	0	O-4	0
			1301	SP-6	0.0	I-5	0	O-5	0
			1301	SP-9	0.0	I-6	0	O-6	0
			1301	SP-12	0.0	I-9	0	O-9	0
			1301	SP-15	0.0	I-11	0	O-11	0
			1301	SP-18	0.0	I-12	0	O-12	0
	1000		1101	SP-4	0.0	I-2	0	O-2	0
			1101	SP-8	0.0	I-4	0	O-4	0
			1101	SP-11	0.0	I-5	0	O-5	0
			1101	SP-15	0.0	I-6	0	O-6	0
			1101	SP-18	91.4	I-7	0	O-7	0
			1101	SP-22	2848	I-8	0	O-8	0
			1101	SP-25	259	I-9	0	O-9	0
	1140		1068	NA	NA	NA	NA	Outside	0
	1350		1100	NA	NA	NA	NA	Outside	0
	1315		1104	NA	NA	NA	NA	Outside	0
	1330		1105	NA	NA	NA	NA	Outside	0
	1410		1111	NA	NA	NA	NA	Outside	0
	1300		1114	NA	NA	NA	NA	Outside	0
	1400		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 1

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
12/2/04	0900		1108	SP-1	0	I-1	0	O-1	0
			1108	SP-5	0	I-3	0	O-3	0
			1108	SP-8	0	I-5	0	O-5	0
			1108	SP-11	0	I-7	0	O-7	0
			1108	SP-14	0	I-9	0	O-9	0
			1108	SP-17	0	I-10	0	O-10	0
			1200	SP-1	0	I-1	0	O-1	0
	0920		1200	SP-4	0	I-4	0	O-4	0
			1200	SP-7	0	I-9	0	O-9	0
			1200	SP-9	0	I-7	0	O-7	0
	0940		1201	SP-1	0	I-1	0	O-1	0
			1201	SP-5	0	I-4	0	O-4	0
			1201	SP-8	0	I-8	0	O-8	0
			1201	SP-11	0	I-11	0	O-11	0
			1201	SP-15	0	I-13	0	O-13	0
			1201	SP-18	0	I-15	0	O-15	0
	1000		1202	SP-1	0	I-1	0	O-1	0
			1202	SP-6	0	I-7	0	O-10	0
			1202	SP-9	0.5	I-9	0	O-19	0
	1330		1301	SP-1	0	I-2	0	O-2	0
			1301	SP-4	10.0	I-4	0	O-4	0
			1301	SP-7	0	I-5	0	O-5	0
			1301	SP-10	0	I-7	0	O-7	0
			1301	SP-13	0	I-10	0	O-10	0
			1301	SP-16	0	I-11	0	O-11	0
	1030		1101	SP-1	0	I-1	0	O-1	0
			1101	SP-5	0	I-3	0	O-3	0
			1101	SP-9	0	I-4	0	O-4	0
			1101	SP-12	0	I-6	0	O-6	0
			1101	SP-16	~~105~~ 0	I-7	0	O-7	0
			1101	SP-19	105	I-8	0	O-8	0
			1101	SP-23	345	I-10	0	O-10	0
	1100		1068	NA	NA	NA	NA	Outside	0
	1120		1100	NA	NA	NA	NA	Outside	0
	1140		1104	NA	NA	NA	NA	Outside	0
	~~1200~~		1105	NA	NA	NA	NA	Outside	0
	1215		1111	NA	NA	NA	NA	Outside	0
	1230		1114	NA	NA	NA	NA	Outside	0
	1245		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 2

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
12/2/08	0900		1108	SP-2	0	I-2	0	O-2	0
			1108	SP-6	0	I-4	0	O-4	0
			1108	SP-9	0	I-6	0	O-6	0
			1108	SP-12	0	I-8	0	O-8	0
			1108	SP-15	0	I-9	0	O-9	0
			1108	SP-18	0	I-10	0	O-10	0
	0920		1200	SP-2	0	I-2	0	O-2	0
			1200	SP-5	0	I-10	0	O-10	0
			1200	SP-8	12.3	I-6	0	O-6	0
	0940		1201	SP-2	0	I-2	0	O-2	0
			1201	SP-6	0	I-5	0	O-5	0
			1201	SP-9	59.2	I-7	0	O-7	0
			1201	SP-12	0	I-10	0	O-10	0
			1201	SP-16	0	I-12	0	O-12	0
			1201	SP-19	0	I-14	0	O-14	0
	1000		1202	SP-2	0	I-2	0	O-2	0
			1202	SP-7	0	I-6	0	O-9	0
			1202	SP-10	0.9	I-10	0	O-15	0
	1330		1301	SP-2	0	I-3	0	O-3	0
			1301	SP-5	0	I-5	0	O-5	0
			1301	SP-8	0	I-6	0	O-6	0
			1301	SP-11	0	I-8	0	O-8	0
			1301	SP-14	0	I-11	0	O-11	0
			1301	SP-17	0	I-12	0	O-12	0
	1030		1101	SP-2	0	I-1	0	O-1	0
			1101	SP-6	0	I-2	0	O-2	0
			1101	SP-10	0	I-5	0	O-5	0
			1101	SP-13	0	I-6	0	O-6	0
			1101	SP-17	38.5	I-7	0	O-7	0
			1101	SP-20	96.1	I-9	0	O-9	0
			1101	SP-24	2053	I-10	0	O-10	0
	1100		1068	NA	NA	NA	NA	Outside	0
	1120		1100	NA	NA	NA	NA	Outside	0
	1140		1104	NA	NA	NA	NA	Outside	0
	1200		1105	NA	NA	NA	NA	Outside	0
	1215		1111	NA	NA	NA	NA	Outside	0
	1230		1114	NA	NA	NA	NA	Outside	0
	1245		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 3

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
12/2/08	0900		1108	SP-4	124	I-3	0	O-3	0
			1108	SP-7	0	I-4	0	O-4	0
			1108	SP-10	0	I-5	0	O-5	0
			1108	SP-13	0	I-7	0	O-7	0
			1108	SP-16	0	I-9	0	O-9	0
			1108	SP-19	0	I-10	0	O-10	0
	0920		1200	SP-3	0	I-11	0	O-11	0
			1200	SP-6	0	I-5	0	O-5	0
			1200	SP-9	0	I-8	0	O-8	0
	0940		1201	SP-4	0	I-3	0	O-3	0
			1201	SP-7	0	I-6	0	O-6	0
			1201	SP-10	0	I-8	0	O-8	0
			1201	SP-14	0	I-11	0	O-11	0
			1201	SP-17	0	I-13	0	O-13	0
			1201	SP-20	0	I-16	0	O-16	0
	1000		1202	SP-4	0	I-3	0	O-4	0
			1202	SP-5	0	I-11	0	O-22	0
			1202	SP-11	0	I-12	0	O-17	0
	1330		1301	SP-3	0	I-4	0	O-4	0
			1301	SP-6	0	I-5	0	O-5	0
			1301	SP-9	12.0	I-6	0	O-6	0
			1301	SP-12	0	I-9	0	O-9	0
			1301	SP-15	0	I-11	0	O-11	0
			1301	SP-18	0	I-12	0	O-12	0
	1030		1101	SP-4	0	I-2	0	O-2	0
			1101	SP-8	0	I-4	0	O-4	0
			1101	SP-11	0	I-5	0	O-5	0
			1101	SP-15	0	I-6	0	O-6	0
			1101	SP-18	42.6	I-7	0	O-7	0
			1101	SP-22	827	I-8	0	O-8	0
			1101	SP-25	123	I-9	0	O-9	0
	1100		1068	NA	NA	NA	NA	Outside	0
	1120		1100	NA	NA	NA	NA	Outside	0
	1140		1104	NA	NA	NA	NA	Outside	0
	1206		1105	NA	NA	NA	NA	Outside	0
	1215		1111	NA	NA	NA	NA	Outside	0
	1230		1114	NA	NA	NA	NA	Outside	0
	1245		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 1

Date	Time	Bio-Pulse Well	Building	Heater Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
1/8/09	1000		1108	SP-1	0	I-1	0	O-1	0
			1108	SP-5	0	I-3	0	O-3	0
			1108	SP-8	0	I-5	0	O-5	0
			1108	SP-11	0	I-7	0	O-7	0
			1108	SP-14	0	I-9	0	O-9	0
			1108	SP-17	18.4	I-10	0	O-10	0
	1030		1200	SP-1	0	I-1	0	O-1	0
			1200	SP-4	0	I-4	0	O-4	0
			1200	SP-7	0	I-9	0	O-9	0
			1200	SP-9	0	I-7	0	O-7	0
	1045		1201	SP-1	0	I-1	0	O-1	0
			1201	SP-5	0	I-4	0	O-4	0
			1201	SP-8	0	I-8	0	O-8	0
			1201	SP-11	0	I-11	0	O-11	0
			1201	SP-15	0	I-13	0	O-13	0
			1201	SP-18	0	I-15	0	O-15	0
	1100		1202	SP-1	0	I-1	0	O-1	0
			1202	SP-6	0	I-7	0	O-10	0
			1202	SP-9	0	I-9	0	O-19	0
	1300		1301	SP-1	0	I-2	0	O-2	0
			1301	SP-4	0	I-4	0	O-4	0
			1301	SP-7	0	I-5	0	O-5	0
			1301	SP-10	0	I-7	0	O-7	0
			1301	SP-13	0	I-10	0	O-10	0
			1301	SP-16	0	I-11	0	O-11	0
	1130		1101	SP-1	0	I-1	0	O-1	0
			1101	SP-5	0	I-3	0	O-3	0
			1101	SP-9	0	I-4	0	O-4	0
			1101	SP-12	0	I-6	0	O-6	0
			1101	SP-16	0	I-7	0	O-7	0
			1101	SP-19	0	I-8	0	O-8	0
			1101	SP-23	0	I-10	0	O-10	0
	1500		1068	NA	NA	NA	NA	Outside	0
	1340		1100	NA	NA	NA	NA	Outside	0
	1400		1104	NA	NA	NA	NA	Outside	0
	1420		1105	NA	NA	NA	NA	Outside	0
	1315		1111	NA	NA	NA	NA	Outside	0
	1440		1114	NA	NA	NA	NA	Outside	0
			1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 2

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
1/8/09	1000		1108	SP-2	0	I-2	0	O-2	0
			1108	SP-6	0	I-4	0	O-4	0
			1108	SP-9	0	I-6	0	O-6	0
			1108	SP-12	0	I-8	0	O-8	0
			1108	SP-15	0	I-9	0	O-9	0
			1108	SP-18	0	I-10	0	O-10	0
	1030		1200	SP-2	0	I-2	0	O-2	0
			1200	SP-5	0	I-10	0	O-10	0
			1200	SP-8	0	I-6	0	O-6	0
	1045		1201	SP-2	0	I-2	0	O-2	0
			1201	SP-6	0	I-5	0	O-5	0
			1201	SP-9	0	I-7	0	O-7	0
			1201	SP-12	0	I-10	0	O-10	0
			1201	SP-16	0	I-12	0	O-12	0
			1201	SP-19	0	I-14	0	O-14	0
	1100		1202	SP-2	0	I-2	0	O-2	0
			1202	SP-7	0	I-6	0	O-9	0
			1202	SP-10	0	I-10	0	O-15	0
	1300		1301	SP-2	0	I-3	0	O-3	0
			1301	SP-5	0	I-5	0	O-5	0
			1301	SP-8	0	I-6	0	O-6	0
			1301	SP-11	0	I-8	0	O-8	0
			1301	SP-14	0	I-11	0	O-11	0
			1301	SP-17	0	I-12	0	O-12	0
	1130		1101	SP-2	0	I-1	0	O-1	0
			1101	SP-6	0	I-2	0	O-2	0
			1101	SP-10	0	I-5	0	O-5	0
			1101	SP-13	0	I-6	0	O-6	0
			1101	SP-17	0	I-7	0	O-7	0
			1101	SP-20	0	I-9	0	O-9	0
			1101	SP-24	0	I-10	0	O-10	0
	1500		1068	NA	NA	NA	NA	Outside	0
	1340		1100	NA	NA	NA	NA	Outside	0
	1400		1104	NA	NA	NA	NA	Outside	0
	1420		1105	NA	NA	NA	NA	Outside	0
	1315		1111	NA	NA	NA	NA	Outside	0
	1440		1114	NA	NA	NA	NA	Outside	0
			1220	Burger	King	NA	NA	Outside	

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 3

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
1/8/09	1000		1108	SP-4	0	I-3	0	O-3	0
			1108	SP-7	0	I-4	0	O-4	0
			1108	SP-10	0	I-5	0	O-5	0
			1108	SP-13	0	I-7	0	O-7	0
			1108	SP-16	78.6	I-9	0	O-9	0
			1108	SP-19	0	I-10	0	O-10	0
	1030		1200	SP-3	0	I-11	0	O-11	0
			1200	SP-6	0	I-5	0	O-5	0
			1200	SP-9	0	I-8	0	O-8	0
	1045		1201	SP-4	0	I-3	0	O-3	0
			1201	SP-7	0	I-6	0	O-6	0
			1201	SP-10	0	I-8	0	O-8	0
			1201	SP-14	0	I-11	0	O-11	0
			1201	SP-17	0	I-13	0	O-13	0
			1201	SP-20	0	I-16	0	O-16	0
	1100		1202	SP-4	0	I-3	0	O-4	0
			1202	SP-5	0	I-11	0	O-22	0
			1202	SP-11	0	I-12	0	O-17	0
	1300		1301	SP-3	0	I-4	0	O-4	0
			1301	SP-6	0	I-5	0	O-5	0
			1301	SP-9	0	I-6	0	O-6	0
			1301	SP-12	0	I-9	0	O-9	0
			1301	SP-15	0	I-11	0	O-11	0
			1301	SP-18	0	I-12	0	O-12	0
	1130		1101	SP-4	0	I-2	0	O-2	0
			1101	SP-8	0	I-4	0	O-4	0
			1101	SP-11	0	I-5	0	O-5	0
			1101	SP-15	0	I-6	0	O-6	0
			1101	SP-18	0	I-7	0	O-7	0
			1101	SP-22	0	I-8	0	O-8	0
			1101	SP-25	0	I-9	0	O-9	0
	1300		1068	NA	NA	NA	NA	Outside	0
	1340		1100	NA	NA	NA	NA	Outside	0
	1400		1104	NA	NA	NA	NA	Outside	0
	1420		1105	NA	NA	NA	NA	Outside	0
	1315		1111	NA	NA	NA	NA	Outside	0
	1440		1114	NA	NA	NA	NA	Outside	0
			1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 1

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
2/18/09	1045		1108	SP-1	0	I-1	0	O-1	0
			1108	SP-5	0	I-3	0	O-3	0
			1108	SP-8	0	I-5	0	O-5	0
			1108	SP-11	0	I-7	0	O-7	0
			1108	SP-14	0	I-9	0	O-9	0
			1108	SP-17	20.0	I-10	0	O-10	0
	1130		1200	SP-1	0	I-1	0	O-1	0
			1200	SP-4	0	I-4	0	O-4	0
			1200	SP-7	0	I-9	0	O-9	0
			1200	SP-9	0	I-7	0	O-7	0
	1150		1201	SP-1	0.6	I-1	0	O-1	0
			1201	SP-5	0	I-4	0	O-4	0
			1201	SP-8	0	I-8	0	O-8	0
			1201	SP-11	0	I-11	0	O-11	0
			1201	SP-15	0	I-13	0	O-13	0
			1201	SP-18	0	I-15	0	O-15	0
			1202	SP-1	0	I-1	0	O-1	0
	1245		1202	SP-6	0	I-7	0	O-10	0
			1202	SP-9	0	I-9	0	O-19	0
	1300		1301	SP-1	0	I-2	0	O-2	0
			1301	SP-4	0	I-4	0	O-4	0
			1301	SP-7	0	I-5	0	O-5	0
			1301	SP-10	0	I-7	0	O-7	0
			1301	SP-13	0	I-10	0	O-10	0
			1301	SP-16	0	I-11	0	O-11	0
	1105		1101	SP-1	0	I-1	0	O-1	0
			1101	SP-5	0	I-3	0	O-3	0
			1101	SP-9	0	I-4	0	O-4	0
			1101	SP-12	0	I-6	0	O-6	0
			1101	SP-16	0	I-7	0	O-7	0
			1101	SP-19	220	I-8	0	O-8	0
			1101	SP-23	820	I-10	0	O-10	0
	1030		1068	NA	NA	NA	NA	Outside	0
	0935		1100	NA	NA	NA	NA	Outside	0
	1010		1104	NA	NA	NA	NA	Outside	0
	0950		1105	NA	NA	NA	NA	Outside	0
	0930		1111	NA	NA	NA	NA	Outside	0
	0915		1114	NA	NA	NA	NA	Outside	0
	0900		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 2

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
2/18/09	1045		1108	SP-2	0	I-2	0	O-2	0
			1108	SP-6	0	I-4	0	O-4	0
			1108	SP-9	0	I-6	0	O-6	0
			1108	SP-12	0	I-8	0	O-8	0
			1108	SP-15	0	I-9	0	O-9	0
			1108	SP-18	0	I-10	0	O-10	0
	1130		1200	SP-2	0	I-2	0	O-2	0
			1200	SP-5	0	I-10	0	O-10	0
			1200	SP-8	0	I-6	0	O-6	0
	1150		1201	SP-2	2.0	I-2	0	O-2	0
			1201	SP-6	0	I-5	0	O-5	0
			1201	SP-9	0	I-7	0	O-7	0
			1201	SP-12	0	I-10	0	O-10	0
			1201	SP-16	0	I-12	0	O-12	0
			1201	SP-19	0	I-14	0	O-14	0
	1245		1202	SP-2	0	I-2	0	O-2	0
			1202	SP-7	0	I-6	0	O-9	0
			1202	SP-10	0	I-10	0	O-15	0
	1300		1301	SP-2	0	I-3	0	O-3	0
			1301	SP-5	0	I-5	0	O-5	0
			1301	SP-8	0	I-6	0	O-6	0
			1301	SP-11	0	I-8	0	O-8	0
			1301	SP-14	0	I-11	0	O-11	0
			1301	SP-17	0	I-12	0	O-12	0
	1105		1101	SP-2	0	I-1	0	O-1	0
			1101	SP-6	0	I-2	0	O-2	0
			1101	SP-10	0	I-5	0	O-5	0
			1101	SP-13	440	I-6	0	O-6	0
			1101	SP-17	55	I-7	0	O-7	0
			1101	SP-20	250	I-9	0	O-9	0
			1101	SP-24	4160	I-10	0	O-10	0
	1030		1068	NA	NA	NA	NA	Outside	0
	0935		1100	NA	NA	NA	NA	Outside	0
	1010		1104	NA	NA	NA	NA	Outside	0
	0950		1105	NA	NA	NA	NA	Outside	0
	0930		1111	NA	NA	NA	NA	Outside	0
	0915		1114	NA	NA	NA	NA	Outside	0
	0900		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 3

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
2/18/09	1045		1108	SP-4	0	I-3	0	O-3	0
			1108	SP-7	0	I-4	0	O-4	0
			1108	SP-10	0	I-5	0	O-5	0
			1108	SP-13	0	I-7	0	O-7	0
			1108	SP-16	60.0	I-9	0	O-9	0
			1108	SP-19	0	I-10	0	O-10	0
	1130		1200	SP-3	0	I-11	0	O-11	0
			1200	SP-6	0	I-5	0	O-5	0
			1200	SP-9	0	I-8	0	O-8	0
	1150		1201	SP-4	0	I-3	0	O-3	0
			1201	SP-7	0	I-6	0	O-6	0
			1201	SP-10	0	I-8	0	O-8	0
			1201	SP-14	0	I-11	0	O-11	0
			1201	SP-17	0	I-13	0	O-13	0
			1201	SP-20	0	I-16	0	O-16	0
	1245		1202	SP-4	0	I-3	0	O-4	0
			1202	SP-5	0	I-11	0	O-22	0
			1202	SP-11	0	I-12	0	O-17	0
	1300		1301	SP-3	0	I-4	0	O-4	0
			1301	SP-6	0	I-5	0	O-5	0
			1301	SP-9	0	I-6	0	O-6	0
			1301	SP-12	0	I-9	0	O-9	0
			1301	SP-15	0	I-11	0	O-11	0
			1301	SP-18	0	I-12	0	O-12	0
	1105		1101	SP-4	0	I-2	0	O-2	0
			1101	SP-8	0	I-4	0	O-4	0
			1101	SP-11	0	I-5	0	O-5	0
			1101	SP-15	0	I-6	0	O-6	0
			1101	SP-18	120	I-7	0	O-7	0
			1101	SP-22	0.0	I-8	0	O-8	0
			1101	SP-25	0.0	I-9	0	O-9	0
	1030		1068	NA	NA	NA	NA	Outside	0
	0935		1100	NA	NA	NA	NA	Outside	0
	1010		1104	NA	NA	NA	NA	Outside	0
	0950		1105	NA	NA	NA	NA	Outside	0
	0930		1111	NA	NA	NA	NA	Outside	0
	0915		1114	NA	NA	NA	NA	Outside	0
	0900		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 1

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
3/9/09	1130		1108	SP-1	0	I-1	0	O-1	0
			1108	SP-5	0	I-3	0	O-3	0
			1108	SP-8	0	I-5	0	O-5	0
			1108	SP-11	0	I-7	0	O-7	0
			1108	SP-14	0	I-9	0	O-9	0
			1108	SP-17	0	I-10	0	O-10	0
			1200	SP-1	0	I-1	0	O-1	0
	1200		1200	SP-4	0	I-4	0	O-4	0
			1200	SP-7	0	I-9	0	O-9	0
			1200	SP-9	0	I-7	0	O-7	0
	1230		1201	SP-1	0	I-1	0	O-1	0
			1201	SP-5	0	I-4	0	O-4	0
			1201	SP-8	0	I-8	0	O-8	0
			1201	SP-11	0	I-11	0	O-11	0
			1201	SP-15	0	I-13	0	O-13	0
			1201	SP-18	0	I-15	0	O-15	0
	1300		1202	SP-1	0	I-1	0	O-1	0
			1202	SP-6	0	I-7	0	O-10	0
			1202	SP-9	0	I-9	0	O-19	0
			1301	SP-1	0	I-2	0	O-2	0
	1400		1301	SP-4	0	I-4	0	O-4	0
			1301	SP-7	0	I-5	0	O-5	0
			1301	SP-10	0	I-7	0	O-7	0
			1301	SP-13	0	I-10	0	O-10	0
			1301	SP-16	0	I-11	0	O-11	0
	1100		1101	SP-1	0	I-1	0	O-1	0
			1101	SP-5	0	I-3	0	O-3	0
			1101	SP-9	0	I-4	0	O-4	0
			1101	SP-12	0	I-6	0	O-6	0
			1101	SP-16	0	I-7	0	O-7	0
			1101	SP-19	162	I-8	0	O-8	0
			1101	SP-23	720	I-10	0	O-10	0
	1430		1068	NA	NA	NA	NA	Outside	0
	1445		1100	NA	NA	NA	NA	Outside	0
	1500		1104	NA	NA	NA	NA	Outside	0
	1515		1105	NA	NA	NA	NA	Outside	0
	1530		1111	NA	NA	NA	NA	Outside	0
	1545		1114	NA	NA	NA	NA	Outside	0
	1600		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 2

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
3/9/09	1130		1108	SP-2	0	I-2	0	O-2	0
			1108	SP-6	0	I-4	0	O-4	0
			1108	SP-9	0	I-6	0	O-6	0
			1108	SP-12	0	I-8	0	O-8	0
			1108	SP-15	0	I-9	0	O-9	0
			1108	SP-18	0	I-10	0	O-10	0
	1200		1200	SP-2	0	I-2	0	O-2	0
			1200	SP-5	0	I-10	0	O-10	0
			1200	SP-8	0	I-6	0	O-6	0
	1230		1201	SP-2	0	I-2	0	O-2	0
			1201	SP-6	0	I-5	0	O-5	0
			1201	SP-9	0	I-7	0	O-7	0
			1201	SP-12	0	I-10	0	O-10	0
			1201	SP-16	0	I-12	0	O-12	0
			1201	SP-19	0	I-14	0	O-14	0
	1300		1202	SP-2	0	I-2	0	O-2	0
			1202	SP-7	0	I-6	0	O-9	0
			1202	SP-10	0	I-10	0	O-15	0
	1400		1301	SP-2	0	I-3	0	O-3	0
			1301	SP-5	0	I-5	0	O-5	0
			1301	SP-8	0	I-6	0	O-6	0
			1301	SP-11	0	I-8	0	O-8	0
			1301	SP-14	0	I-11	0	O-11	0
			1301	SP-17	0	I-12	0	O-12	0
	1100		1101	SP-2	0	I-1	0	O-1	0
			1101	SP-6	0	I-2	0	O-2	0
			1101	SP-10	0	I-5	0	O-5	0
			1101	SP-13	76.4	I-6	0	O-6	0
			1101	SP-17	187	I-7	0	O-7	0
			1101	SP-20	829	I-9	0	O-9	0
			1101	SP-24	182	I-10	0	O-10	0
	1430		1068	NA	NA	NA	NA	Outside	0
	1445		1100	NA	NA	NA	NA	Outside	0
	1500		1104	NA	NA	NA	NA	Outside	0
	1515		1105	NA	NA	NA	NA	Outside	0
	1530		1111	NA	NA	NA	NA	Outside	0
	1545		1114	NA	NA	NA	NA	Outside	0
	1600		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 3

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
3/9/09	1130		1108	SP-4	0	I-3	0	O-3	0
			1108	SP-7	0	I-4	0	O-4	0
			1108	SP-10	0	I-5	0	O-5	0
			1108	SP-13	0	I-7	0	O-7	0
			1108	SP-16	0	I-9	0	O-9	0
			1108	SP-19	0	I-10	0	O-10	0
	1200		1200	SP-3	0	I-11	0	O-11	0
			1200	SP-6	0	I-5	0	O-5	0
			1200	SP-9	0	I-8	0	O-8	0
	1230		1201	SP-4	0	I-3	0	O-3	0
			1201	SP-7	0	I-6	0	O-6	0
			1201	SP-10	0	I-8	0	O-8	0
			1201	SP-14	0	I-11	0	O-11	0
			1201	SP-17	0	I-13	0	O-13	0
			1201	SP-20	0	I-16	0	O-16	0
	1300		1202	SP-4	0	I-3	0	O-4	0
			1202	SP-5	0	I-11	0	O-22	0
			1202	SP-11	0	I-12	0	O-17	0
	1400		1301	SP-3	0	I-4	0	O-4	0
			1301	SP-6	0	I-5	0	O-5	0
			1301	SP-9	0	I-6	0	O-6	0
			1301	SP-12	0	I-9	0	O-9	0
			1301	SP-15	0	I-11	0	O-11	0
			1301	SP-18	0	I-12	0	O-12	0
	1100		1101	SP-4	0	I-2	0	O-2	0
			1101	SP-8	0	I-4	0	O-4	0
			1101	SP-11	0	I-5	0	O-5	0
			1101	SP-15	0	I-6	0	O-6	0
			1101	SP-18	0	I-7	0	O-7	0
			1101	SP-22	2314	I-8	0	O-8	0
			1101	SP-25	1124	I-9	0	O-9	0
	1430		1068	NA	NA	NA	NA	Outside	0
	1445		1100	NA	NA	NA	NA	Outside	0
	1500		1104	NA	NA	NA	NA	Outside	0
	1515		1105	NA	NA	NA	NA	Outside	0
	1530		1111	NA	NA	NA	NA	Outside	0
	1545		1114	NA	NA	NA	NA	Outside	0
	1600		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 1

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
3/16/09	1130		1108	SP-1	0	I-1	0	O-1	0
			1108	SP-5	0	I-3	0	O-3	0
			1108	SP-8	0	I-5	0	O-5	0
			1108	SP-11	0	I-7	0	O-7	0
			1108	SP-14	0	I-9	0	O-9	0
			1108	SP-17	18	I-10	0	O-10	0
	1200		1200	SP-1	0	I-1	0	O-1	0
			1200	SP-4	0	I-4	0	O-4	0
			1200	SP-7	0	I-9	0	O-9	0
			1200	SP-9	0	I-7	0	O-7	0
	1220		1201	SP-1	0	I-1	0	O-1	0
			1201	SP-5	0	I-4	0	O-4	0
			1201	SP-8	0	I-8	0	O-8	0
			1201	SP-11	0	I-11	0	O-11	0
			1201	SP-15	0	I-13	0	O-13	0
			1201	SP-18	0	I-15	0	O-15	0
	1240		1202	SP-1	0	I-1	0	O-1	0
			1202	SP-6	0	I-7	0	O-10	0
			1202	SP-9	0	I-9	0	O-19	0
	1300		1301	SP-1	0	I-2	0	O-2	0
			1301	SP-4	0	I-4	0	O-4	0
			1301	SP-7	0	I-5	0	O-5	0
			1301	SP-10	0	I-7	0	O-7	0
			1301	SP-13	0	I-10	0	O-10	0
			1301	SP-16	0	I-11	0	O-11	0
	1100		1101	SP-1	0	I-1	0	O-1	0
			1101	SP-5	0	I-3	0	O-3	0
			1101	SP-9	0	I-4	0	O-4	0
			1101	SP-12	50	I-6	0	O-6	0
			1101	SP-16	0	I-7	0	O-7	0
			1101	SP-19	190	I-8	0	O-8	0
			1101	SP-23	650	I-10	0	O-10	0
	1330		1068	NA	NA	NA	NA	Outside	0
	1345		1100	NA	NA	NA	NA	Outside	0
	1400		1104	NA	NA	NA	NA	Outside	0
	1415		1105	NA	NA	NA	NA	Outside	0
	1430		1111	NA	NA	NA	NA	Outside	0
	1445		1114	NA	NA	NA	NA	Outside	0
	1500		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 2

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
3/16/09	1130		1108	SP-2	0	I-2	0	O-2	0
			1108	SP-6	0	I-4	0	O-4	0
			1108	SP-9	0	I-6	0	O-6	0
			1108	SP-12	0	I-8	0	O-8	0
			1108	SP-15	0	I-9	0	O-9	0
			1108	SP-18	0	I-10	0	O-10	0
	1200		1200	SP-2	0	I-2	0	O-2	0
			1200	SP-5	0	I-10	0	O-10	0
			1200	SP-8	0	I-6	0	O-6	0
	1220		1201	SP-2	0	I-2	0	O-2	0
			1201	SP-6	0	I-5	0	O-5	0
			1201	SP-9	0	I-7	0	O-7	0
			1201	SP-12	0	I-10	0	O-10	0
			1201	SP-16	0	I-12	0	O-12	0
			1201	SP-19	0	I-14	0	O-14	0
	1240		1202	SP-2	0	I-2	0	O-2	0
			1202	SP-7	0	I-6	0	O-9	0
			1202	SP-10	0	I-10	0	O-15	0
	1300		1301	SP-2	0	I-3	0	O-3	0
			1301	SP-5	0	I-5	0	O-5	0
			1301	SP-8	0	I-6	0	O-6	0
			1301	SP-11	0	I-8	0	O-8	0
			1301	SP-14	0	I-11	0	O-11	0
			1301	SP-17	0	I-12	0	O-12	0
	1100		1101	SP-2	0	I-1	0	O-1	0
			1101	SP-6	0	I-2	0	O-2	0
			1101	SP-10	0	I-5	0	O-5	0
			1101	SP-13	100	I-6	0	O-6	0
			1101	SP-17	50	I-7	0	O-7	0
			1101	SP-20	250	I-9	0	O-9	0
			1101	SP-24	3776	I-10	0	O-10	0
	1330		1068	NA	NA	NA	NA	Outside	0
	1345		1100	NA	NA	NA	NA	Outside	0
	1400		1104	NA	NA	NA	NA	Outside	0
	1415		1105	NA	NA	NA	NA	Outside	0
	1430		1111	NA	NA	NA	NA	Outside	0
	1445		1114	NA	NA	NA	NA	Outside	0
	1500		1220	Burger	King	NA	NA	Outside	0

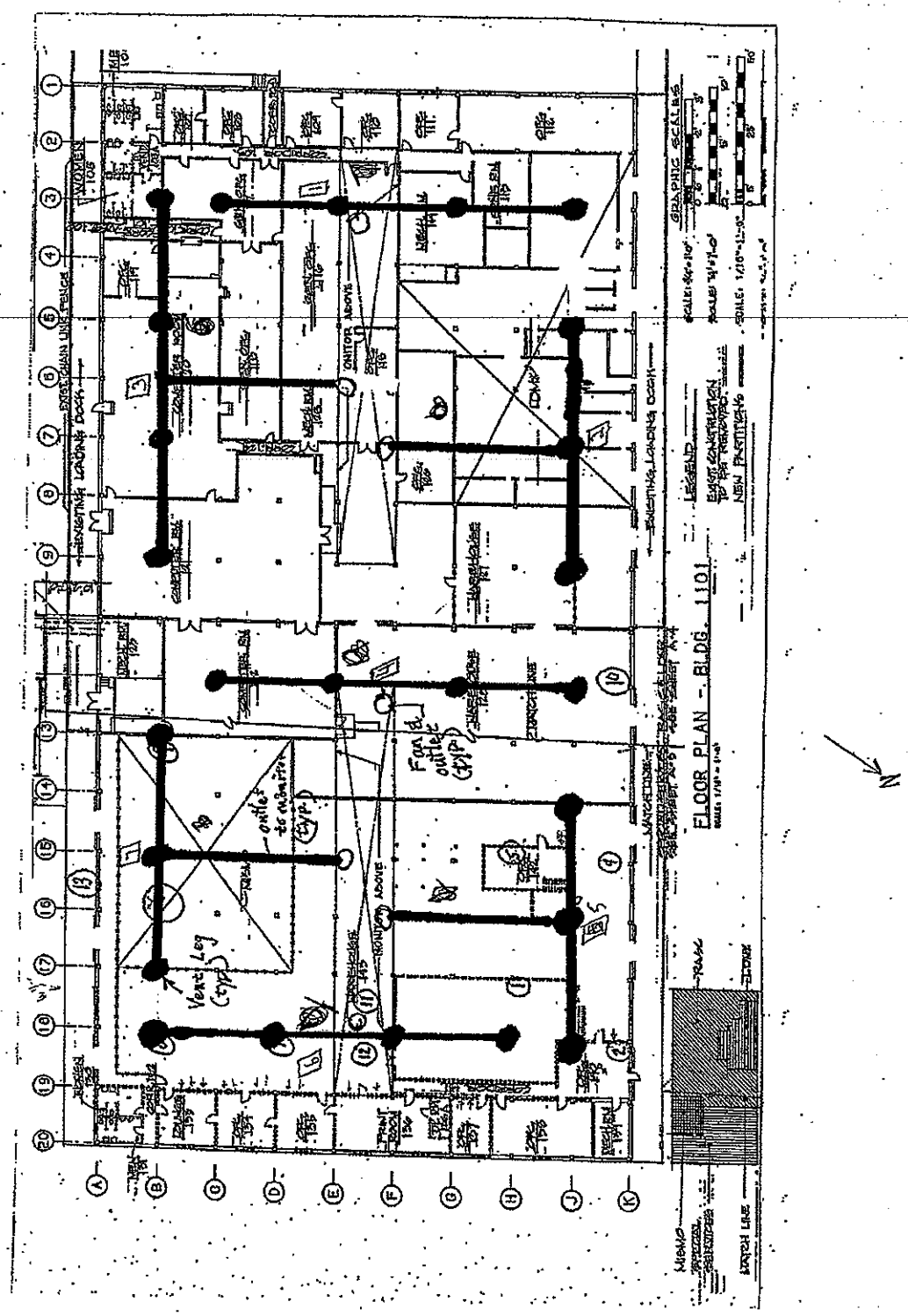
G- Ground Level Zone

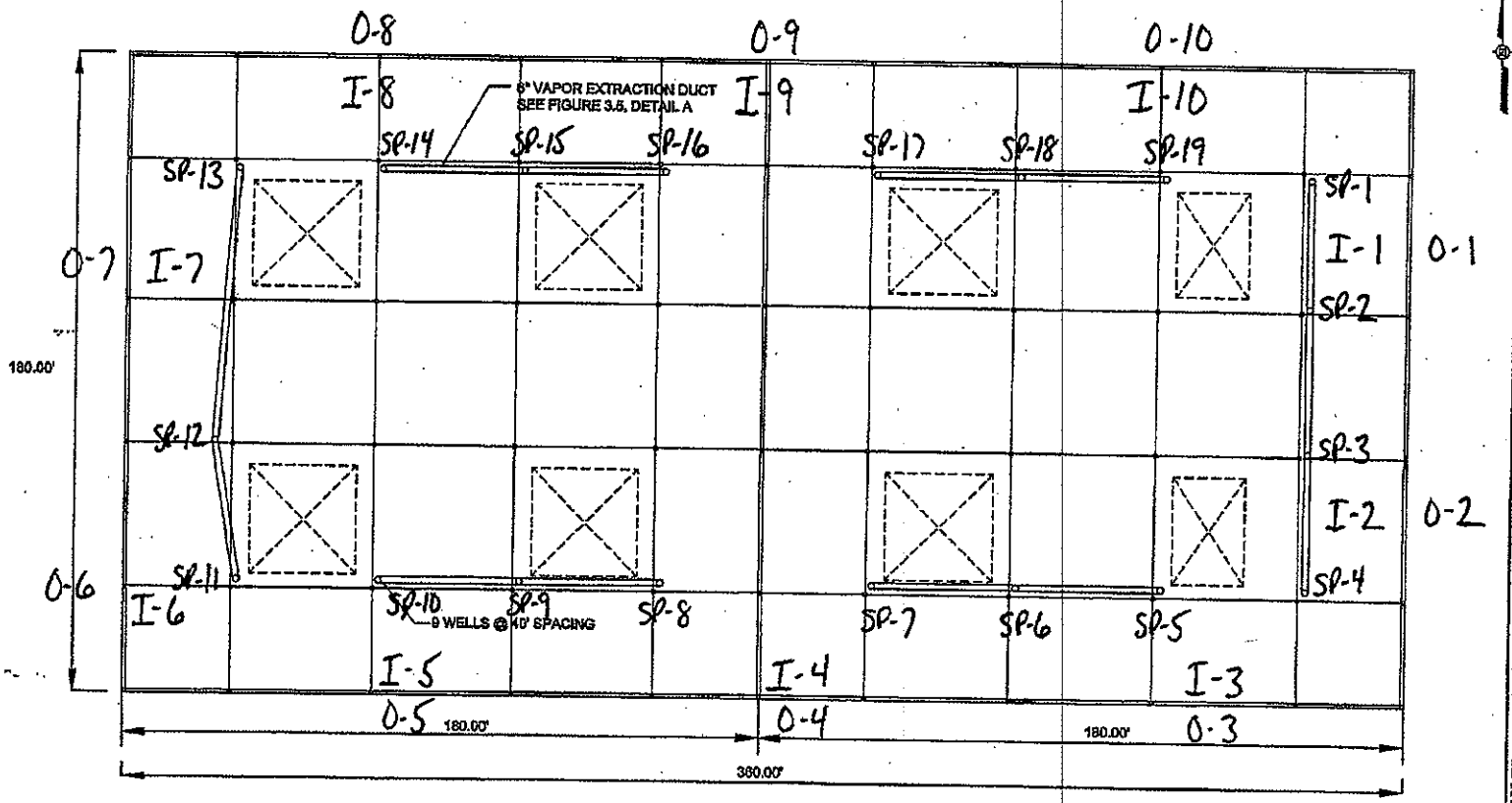
HPFF Bio-Pulse Air Sparge Vapor Monitoring Checklist Day 3

Date	Time	Bio-Pulse Well	Building	Header Sample Port Location	FID PPM	Inside Bldg Location	FID PPM G/B	Outside Bldg Location	FID PPM
3/16/09	1130		1108	SP-4	0	I-3	0	O-3	0
			1108	SP-7	0	I-4	0	O-4	0
			1108	SP-10	0	I-5	0	O-5	0
			1108	SP-13	0	I-7	0	O-7	0
			1108	SP-16	58	I-9	0	O-9	0
			1108	SP-19	0	I-10	0	O-10	0
	1200		1200	SP-3	0	I-11	0	O-11	0
			1200	SP-6	0	I-5	0	O-5	0
			1200	SP-9	0	I-8	0	O-8	0
	1220		1201	SP-4	0	I-3	0	O-3	0
			1201	SP-7	0	I-6	0	O-6	0
			1201	SP-10	0	I-8	0	O-8	0
			1201	SP-14	0	I-11	0	O-11	0
			1201	SP-17	0	I-13	0	O-13	0
			1201	SP-20	0.7	I-16	0	O-16	0
	1240		1202	SP-4	0	I-3	0	O-4	0
			1202	SP-5	0	I-11	0	O-22	0
			1202	SP-11	0	I-12	0	O-17	0
	1300		1301	SP-3	0	I-4	0	O-4	0
			1301	SP-6	0	I-5	0	O-5	0
			1301	SP-9	0	I-6	0	O-6	0
			1301	SP-12	0	I-9	0	O-9	0
			1301	SP-15	0	I-11	0	O-11	0
			1301	SP-18	0	I-12	0	O-12	0
	1100		1101	SP-4	0	I-2	0	O-2	0
			1101	SP-8	0	I-4	0	O-4	0
			1101	SP-11	0	I-5	0	O-5	0
			1101	SP-15	0	I-6	0	O-6	0
			1101	SP-18	0	I-7	0	O-7	0
			1101	SP-22	2000	I-8	0	O-8	0
			1101	SP-25	0	I-9	0	O-9	0
	1330		1068	NA	NA	NA	NA	Outside	0
	1345		1100	NA	NA	NA	NA	Outside	0
	1400		1104	NA	NA	NA	NA	Outside	0
	1415		1105	NA	NA	NA	NA	Outside	0
	1430		1111	NA	NA	NA	NA	Outside	0
	1445		1114	NA	NA	NA	NA	Outside	0
	1508		1220	Burger	King	NA	NA	Outside	0

G- Ground Level Zone

BUILDING MONITORING LOCATION SKETCHES


FLOOR PLAN - BLDG. 1101
Fan outlet (typ.)
outlet termination (typ.)
Vent Leg (typ.)
N



EXTEND PIPE THROUGH MONITOR WINDOWS.
MOUNT EXHAUST FAN/BLOWER ON ROOF

BUILDING 1108

Shaw Environmental, Inc.

ATLANTIC DIVISION

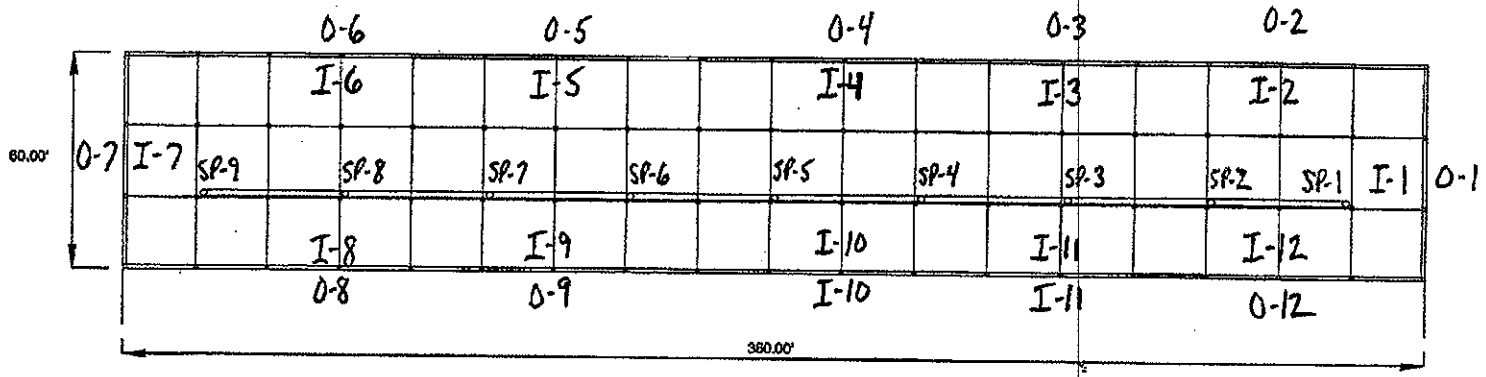
FIGURE 3.5

TYPICAL HADNOT POINT BUILDING 1108
VAPOR EXTRACTION PIT LOCATIONS
HPFF BIO-PULSE RCAP WORK PLAN

REVISIONS

SHEET NO. 3.5

File: O:\LEJUNE~5~03\DAC_MXD_82_ HADNOT PT_BIOPULSE\119312\dwg 1108\119312-dwg1108-fig3-6.mxd
Plot: Date/Time: Jul 27, 2005 - 11:00am
Plotted By: John.Senge
Xref:
Image:



EXTEND PIPE THROUGH MONITOR WINDOWS,
MOUNT EXHAUST FAN/BLOWER ON ROOF

BUILDING 1200

REVISIONS

Shaw Environmental, Inc.

ATLANTIC DIVISION

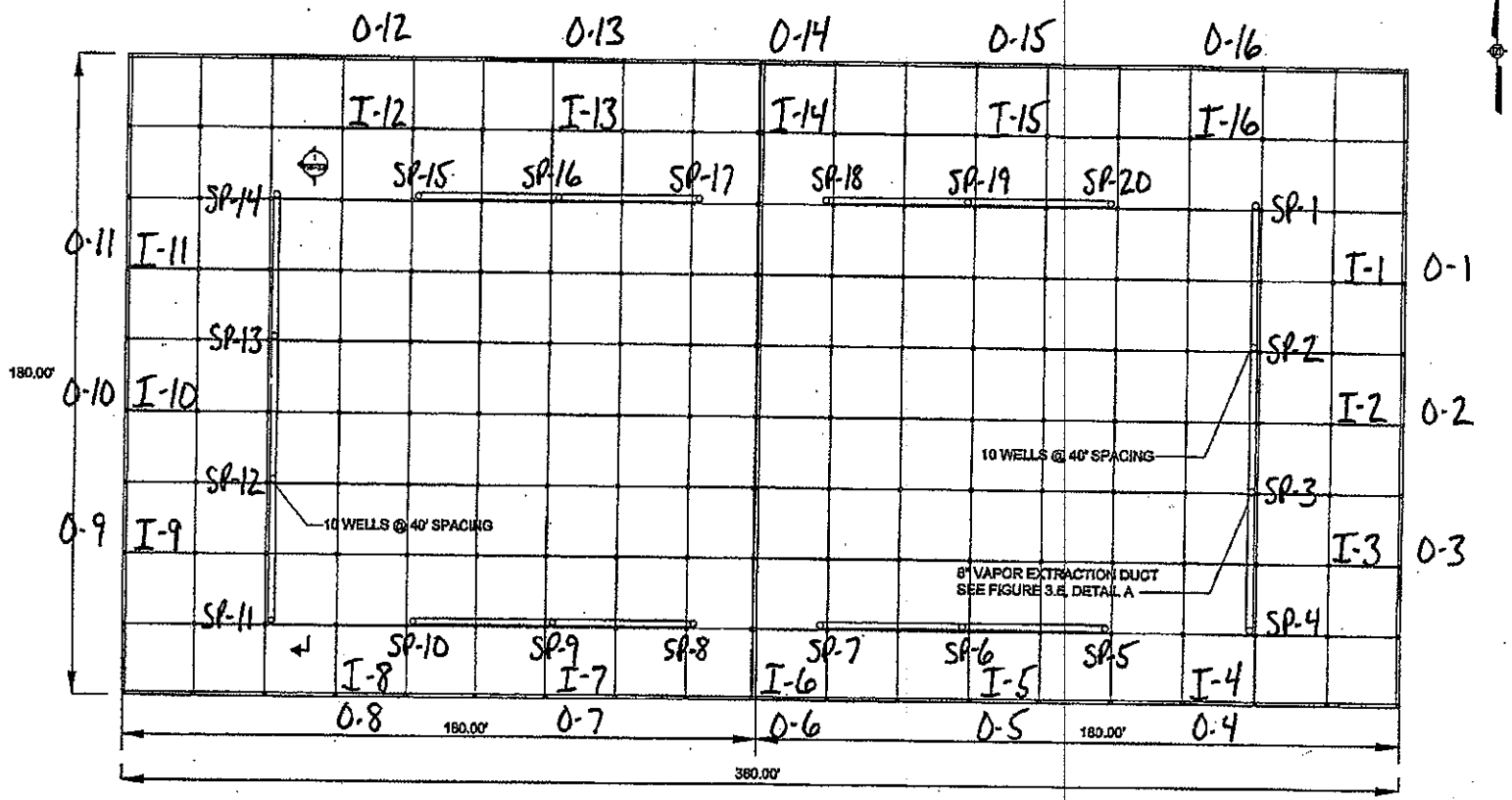
FIGURE 3.5

TYPICAL HADNOT POINT BUILDING 1200
VAPOR EXTRACTION PIT LOCATIONS
HPIPF BIO-PULSE ROAP WORK PLAN

AS SHOWN

N62470-02-D-3250

SHEET I.D.
3.5



EXTEND PIPE THROUGH MONITOR WINDOWS,
MOUNT EXHAUST FAN/BLOWER ON ROOF

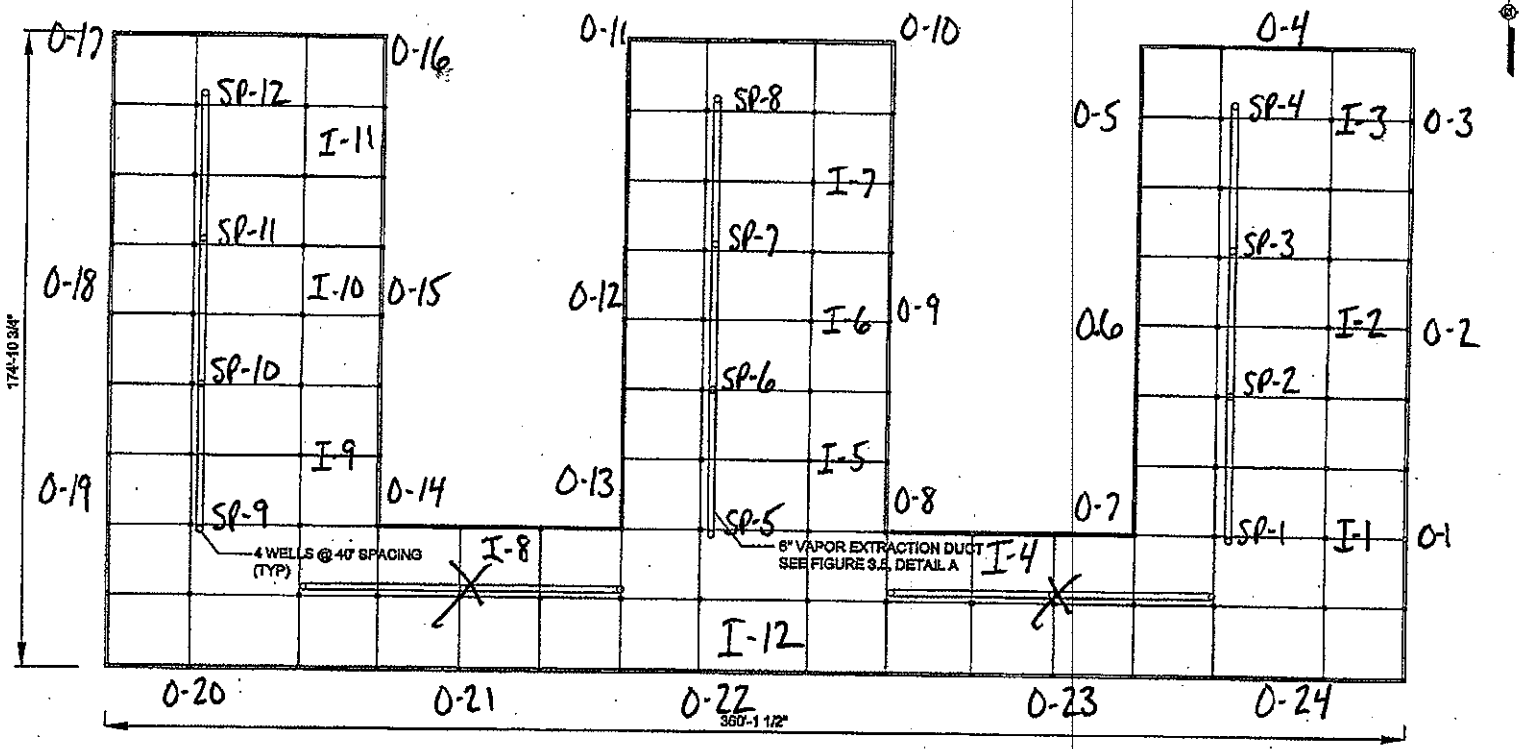
BUILDING 1201

REVISIONS

FIGURE 3.5
TYPICAL HADNOT POINT BUILDING 1201
VAPOR EXTRACTION PIT LOCATIONS
HPFF BIO-PULSE ROAPWORK PLAN

ATLANTIC DIVISION

SHEET NO. 3.5



BUILDING 1202

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Xref:
Image:
Plotted By: John.Jones

Shaw
Shaw Environmental, Inc.

REVISIONS

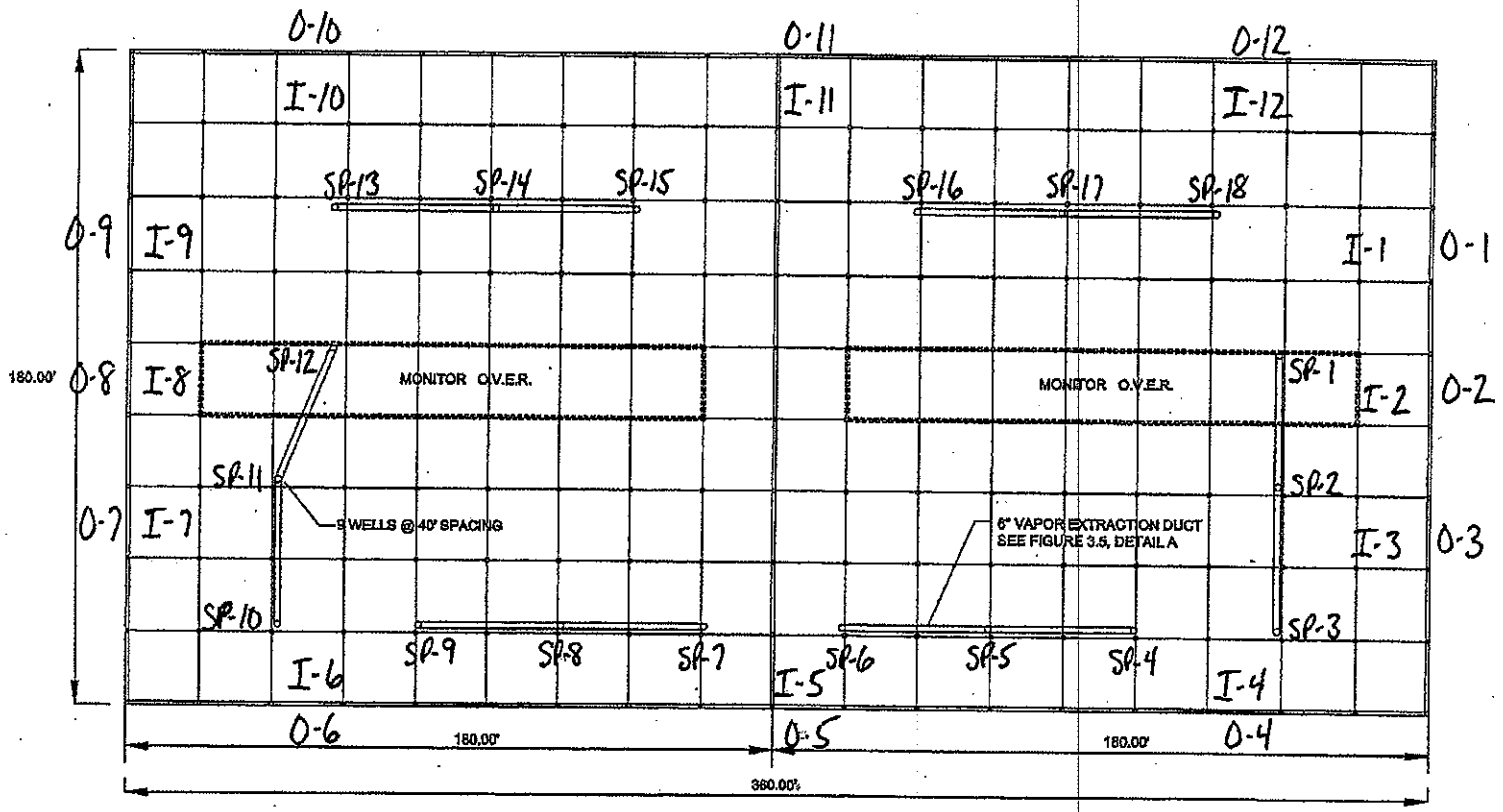
REV	DATE	BY	DESCRIPTION

DESIGNED BY | CHECKED BY | PROJECT NO. 115912
DRAWN BY | APPROVED BY

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
CONTRACT NO. N62470-02-D-3200

FIGURE 3.5
TYPICAL HADNOT POINT BUILDING 1202
VAPOR EXTRACTION PIT LOCATIONS
HPFF BIO-PULSE RCAP WORK PLAN

SCALE: AS SHOWN
REV: 0
CLIENT ORDER NO.
DRAWING NO.
CONTRACT NO. N62470-02-D-3200
WORK ORDER NO.
SHEET NO.: 3.5



EXTEND PIPE THROUGH MONITOR WINDOWS,
MOUNT EXHAUST FAN/BLOWER ON ROOF

BUILDING 1301

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

FIGURE 3.5
TYPICAL NADNOT POINT BUILDING 1301
VAPOR EXTRACTION PIT LOCATIONS
HPFF BIO-PULSE/CAP WORK PLAN

Shaw
Shaw Environmental, Inc.

PROJECT NO. 119312

NO.	DATE	BY	DESCRIPTION/ISSUE
			REVISIONS

DESIGNED BY: RBK
DRAWN BY: JC
CHECKED BY: RBK
APPROVED BY:

SCALE: AS SHOWN
SIZE: D
CONTRACT NO. N62470-02-D-3260
SHEET I.D. 3.5

File: O:\JEC\DWG\A-DOWG_AVID_62_ NADNOT PT BIOPULSE\119312\dwg 1301\119312-A-dwg-1301-fig1.dwg
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Plotted By: johnsonje