2004 ANNUAL MONITORING REPORT
BUILDING 1613
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

Prepared for:

DEPARTMENT OF THE NAVY
Naval Facilities Engineering Command, Atlantic



6506 Hampton Boulevard
Norfolk, Virginia 23508-1278

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Shaw Project No. 110385

July 2005

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BUILDING 1613
MARINE CORPS BASE CAMP LEJEUNE
ONSLOW COUNTY, NORTH CAROLINA

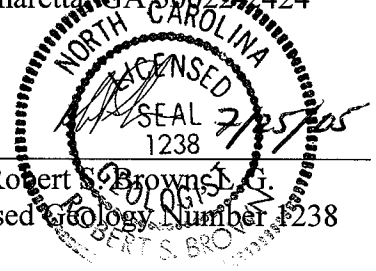
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LIST OF ACRONYMS AND ABBREVIATIONS

2L GWQS	North Carolina 2L Groundwater Quality Standard
AS	Air Sparge
bls	below land surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CAP	Corrective Action Plan
COCs	Contaminants of Concern
DRO	TPH-Diesel Range Organics
EPA	Environmental Protection Agency
GCLs	Gross Contaminant Levels
GRO	TPH-Gasoline Range Organics
LAW	Law Engineering and Environmental Services
lb/day	Pounds per day
MCB	Marine Corps Base
mg/L	milligrams per liter
MSCCs	Maximum Soil Contaminant Concentrations
MTBE	Methyl Tert Butyl Ether
MW	Monitoring Well
NCAC	North Carolina Administrative Code
NCDENR	North Carolina's Department of Environment and Natural Resources
NGVD	National Geodetic Vertical Datum
PAH	Polynuclear Aromatic Hydrocarbon
SVE	Soil Vapor Extraction
TPH	Total Petroleum Hydrocarbons
µg/L	micrograms per liter
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

TITLE PAGE

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

UST Location
1600 Block of Hadnot Point Industrial Area
Intersection of Fir and West near Holcomb Blvd
Onslow County
Camp Lejeune, NC 28542

UST Incident Number: 20660
ID Number: Not Applicable
Risk Classification: High
Land Use Category: Industrial/Commercial

UST Owner:
Commanding General, MCB
I&E/EMD/EQB
PSC Box 20004
Onslow County
Camp Lejeune, NC 28542
(910) 451-5068

UST Operator:
Commanding General, MCB
I&E/EMD/EQB
PSC Box 20004
Onslow County
Camp Lejeune, NC 28542
(910) 451-5068

Primary Responsible Party Contact:
Nikki Hall
Environmental Engineer
I&E/EMD/EQB
PSC Box 20004
Camp Lejeune, NC 28542
(910) 451-5068

Date of Release: Unknown
Quantity of Release: Unknown
Source of Release: USTs
Latitude and Longitude: 34° 40' 7.6475" N
77° 20' 26.0568" W

Tank Number	Installation Date	Tank Capacity	Tank Dimensions	Last Contents	Previous Contents
1613-1	Unknown	30000	Unknown	Gasoline	Unknown
1613-2	Unknown	30000	Unknown	Gasoline	Unknown
1613-3	Unknown	10000	Unknown	Gasoline	Unknown
1613-4	Unknown	9000	Unknown	Gasoline	Unknown

1.0 INTRODUCTION

This annual monitoring report describes system operation and monitoring results collected from January through December 2004 from the Air Sparge (AS)/Soil Vapor Extraction (SVE) treatment system installed at the Building 1613 site to remediate a release of petroleum. The report is being submitted in accordance with the Corrective Action Plan dated April 6, 1998 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 Waste Management dated April 2001.

The report provides a brief history of the environmental history of the site, summarizes the corrective action plan, and describes the installation and operation to date of the recommended remedial alternative. In accordance with recommendations presented in the *Remedial Action Optimization and Revised Corrective Action Plan Building 1613*, prepared by CATLIN Engineers and Scientists, dated December 31, 2003 the AS/SVE system was shutdown May 24, 2004. The report provides a discussion of monitoring results of the AS/SVE system's operation and the current status of groundwater quality compared to baseline data.

1.1 CAMP LEJEUNE MARINE CORPS 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 (153,000 acres) and includes 14 miles of coastline. MCB Camp Lejeune is bound to the southeast by the Atlantic Ocean and to the northeast by State Route 24. Wooded areas are located north, east, and west of the site. The town of Jacksonville, North Carolina is located north of the base (*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 1,000 feet to the north of the Building 1613 area. Surface water runoff from the site is diverted into a network of storm drains located at the site. Storm water collected by this system of drains ultimately discharges to the New River.

Sediment and stratigraphy in the vicinity of the site indicates 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. However, one inactive groundwater well (HP-603) is located within 1,500 feet of the site. Active water recovery wells at the Base are sampled annually and analyzed for volatile organic compounds using EPA Method 524.2. *Appendix A* provides an analytical results summary report of 64 water supply wells that are sampled annually at the Base.

An unnamed tributary to Beaverdam Creek approximately 1,000 feet north of the site was identified as a potential surface water receptor ("Leaking Underground Storage Tank Corrective Action Plan" dated 1998). Depth to groundwater ranged from 3.74 to 13.12 feet bls in shallow Type II monitoring wells that were gauged during 2004. In general, the direction of groundwater flow in the vicinity of the site is to the west toward the New River.

1.3 BUILDING 1613 SITE DESCRIPTION

Building 1613 is a Marine Corp Community Services (MCCS) gas station located on the northwest side of West Street in the Hadnot Point area of MCB Camp Lejeune, Onslow County (*Figure 1.2)*. There were four gasoline underground storage tanks (USTs) located northeast of the building. These included two 30,000-gallon USTs, one 10,000-gallon UST, and one 9,000-gallon UST. These tanks were reportedly installed in the 1950s and removed in January 1995 along with 2,128 tons of contaminated soil. The USTs were replaced by aboveground storage tanks (ASTs) located northwest of the building.

Building 1613 is a single-story brick building. To either side of the building are three concrete pump islands. The two pump islands closest to the building on either side currently contain two petroleum dispensers per pump island. There are no dispensers on the two concrete pump islands furthest from the building. These dispensers were reportedly removed prior to the mid-1980s.

A canopy extends from the building to the second pump island on either side. Pavement extends continuously from Building 1613 to West Street, to either side of the building past the outermost pump islands, and northwest approximately 60 feet from the building. Three ASTs are currently located in a fenced area adjacent to the edge of the pavement northwest of the building.

2.0 CONTAMINATION INVESTIGATION HISTORY

2.1 BUILDING 1613 AREA

In the early 1990s, several environmental investigations were completed at the site. Results of these investigations identified a plume of dissolved gasoline compounds, as well as a free product plume in the vicinity of monitoring well HPGW-6. In 1995, the existing USTs located in the grassy area just northeast of monitoring well 1613-10 were removed. During UST removal activities, 2,128 tons of contaminated soil was removed from the site. The USTs were replaced with ASTs northwest of the building.

2.2 CORRECTIVE ACTION PLAN

CATLIN and Associates (CATLIN) completed a Comprehensive Site Assessment (CSA) report in 1996 describing results of the investigation and identifying the extent of petroleum contamination at the site. Following its investigation, CATLIN submitted a *Corrective Action Plan (CAP)* dated April 6, 1998, identifying AS/SVE as the preferred remedial technology to remediate soil and groundwater that had been adversely affected by petroleum releases at Building 1613.

The following three remedial goals were developed for the site:

- Remove free-phase product from the subsurface to the extent practicable,
- Prevent further migration of contaminated groundwater,
- Rehabilitate the groundwater by removing any dissolved petroleum constituents in concentrations exceeding North Carolina's groundwater quality standards.

Table 2.1 presents the analytes of concern, their respective target concentrations, and current contaminant concentrations at the site. CATLIN evaluated alternative remedial strategies and conducted SVE and AS pilot tests at the site. Based on these studies, CATLIN recommended a combination of treatment technologies to meet the remedial goals at the site. These technologies included:

- Aggressive Fluid/Vapor Recovery (AFVR) for removal of free-phase product from wells HPGW-6, 1613-17, and 1613-18.
- A field of AS wells located where they could remove high concentrations of dissolved-phase petroleum constituents and prevent further migration of the plume.

- Two SVE wells located adjacent to each AS well. The SVE wells would capture fugitive emissions. In addition, the SVE wells would also remediate any adsorbed-phase petroleum in that portion of the vadose zone within their radii of influence.
- Natural attenuation of low concentrations of dissolved-phase petroleum constituents.

OHM installed the AS/SVE treatment system in accordance with this plan in mid 1998. This system has been in operation since October 1998. The layout of the original system is presented on *Figure 1.3*.

2.3 ADDITIONAL SOIL AND GROUNDWATER INVESTIGATIONS

Periodic sampling conducted since 1998 indicates that the system has remediated much of the dissolved-phase petroleum at the fringes of the plumes. However, concentrations of the constituents of concern (COCs) in groundwater remain above North Carolina Groundwater Quality Standards (NCGQS) near the former USTs and monitoring wells HPGW-6 and 1613-22.

The NCDENR provided comments to the CSA report in a letter dated October 11, 1999. The letter requested an additional soil investigation near the fuel dispensers and buried transfer piping at the site. In response to this letter, an additional soil investigation was completed at the site in September 2000. Results of the additional soil assessment work were submitted by OHM in a report titled "*Additional Soil Assessment Building 1613, Marine Corp Base Camp Lejeune, Onslow County, North Carolina*", dated January 2001.

Concurrent with the soil assessment, a groundwater investigation was also performed in September 2000 to better define the extent of groundwater contamination at the site. Results of the groundwater assessment work were submitted by OHM in a report titled "*Additional Groundwater Assessment Building 1613, Marine Corp Base Camp Lejeune, Onslow County, North Carolina*", dated January 2001.

Results from the additional soil assessment work at the site did not indicate contamination consistent with a large-scale release of petroleum hydrocarbons near the fuel dispensers or transfer lines. Based on these results, it was concluded that no further soil assessment was required at the site.

The additional groundwater assessment identified two areas of dissolved contamination that were not being treated by the remedial system. The areas were near HPGW-6 (area of historic free product) and monitoring well 1613-10 (former UST area). The

assessment did not detect dissolved contamination on the south (downgradient) side of West Street. Based on these results, recommendations to expand the AS/SVE system were presented in the report.

2.4 AS/SVE SYSTEM EXPANSION

Based on results from the additional assessment work completed in September 2000 and previous investigations at the site, OHM recommended the installation of five additional AS/SVE well pairs at the site. The additional AS/SVE well pairs were installed in March and April 2001. One well pair (AS-11) was installed near HPGW-6. A second well pair (AS-12) was installed near 1613-MW10. The remaining three AS/SVE well pairs (AS-13, AS-14 and AS-15) were installed along the southern property boundary (adjacent to West Street) with the center well pair (AS-14) near 1613-MW16. The locations of the additional AS/SVE well pairs are illustrated on *Figure 2.1.* The additional AS/SVE well pairs were brought on line in late April 2001.

2.5 REMEDIAL ACTION OPTIMIZATION AND REVISED CAP

CATLIN Engineers and Scientists submitted a CAP Addendum to the NCDENR titled "*Remedial Action Optimization* and *Revised Corrective Action Plan for Building 1613*" and dated December 31, 2003. The addendum was prepared following a thorough review of available reports and field data since the AS/SVE remedial system was placed in operation as well as a field reconnaissance and interviews with the system operators.

Reclassification of the site based on current risk factors determined that the site meets the criteria to be classified as a Low Risk and Residential Land Use site. This ranking revises the target cleanup goals for soil to Residential Maximum Soil Contaminant Concentrations (MSCCs) and groundwater to Gross Contaminant Levels (GCLs). And therefore, a Notice of Residual Petroleum is necessary for the site.

Recommendations of the Revised CAP included shutting down the current groundwater remediation system, collecting two soil samples from sample locations 023 and 024 (from the additional soil assessment work completed in 2000), and quarterly groundwater monitoring from 21 Type II and four Type III monitoring wells.

3.0 AS/SVE REMEDIAL SYSTEM OPERATION AND RESULTS

3.1 AS/SVE SYSTEM MONITORING

Operational data collection from the AS/SVE system began on November 16, 1998 and has continued at regular intervals to the present. This report discusses the system's operation and monitoring results collected from January through May 24, 2004. Based on recommendations presented in the remedial action optimization plan prepared by CATLIN, the AS/SVE system was shutdown May 24, 2004. 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 134 days from January 2004 through May 24, 2004 for an operational efficiency of 93 percent.

With the exception of some holidays, the system equipment was inspected every weekday until the system was shutdown. During site inspections, a checklist was used to record operational measurements and conditions, such as vacuum blower meter hours, inlet filter differential pressure, and the bleed air valve position. This information is used to identify areas requiring maintenance (such as filter replacement) and to fine-tune the system's operation.

The AS/SVE wells were inspected on a weekly basis. System components were checked and indicators of operational performance (such as vacuum, air velocity, and temperature) were recorded. As with the equipment, these inspections helped to identify maintenance needs. Additional measurements included the system's total recovered vapor concentrations recorded concurrent with the weekly inspection of the well field.

3.2 AS/SVE SYSTEM MONITORING RESULTS

Hydrocarbon recovery from the system was calculated monthly from measured system operational parameters such as organic vapor concentration, exhaust stack pressure, velocity and temperature. These parameters were used to compute the cumulative mass of hydrocarbons recovered. During the five months of system operation during 2004, approximately 346 pounds of hydrocarbons were recovered by the remedial system. A total of 36,973 pounds of hydrocarbons were recovered from the Building 1613 area during system operation from November 1998 through May 24, 2004. Hydrocarbon recovery data are provided in *Table 3.1* and graphically presented in *Table 3.2*.

Prior to bringing the five additional AS/SVE well pairs on line in late April 2001, approximately 20 pounds of hydrocarbons had been recovered since January 3, 2001 (<1 lb/day). After the additional AS/SVE well pairs were brought on line, the average recovery rate increased to 11 lb/day (recovery rates ranged from 26 lb/day one week after bringing the wells on line to 2 lb/day), recovering approximately 2,700 pounds of hydrocarbons from May 2001 through December 2001. This recovery rate continued in 2002 recovering approximately 3,000 pounds of hydrocarbons with vapor recovery rates ranging from 4 to 18 lb/day. The total vapor recovery decreased to approximately 1,150 pounds in 2003 with vapor recovery rates ranging from 2 to 9 lb/day. A calculated 346 pounds of hydrocarbons were recovered during the 134 days the system operated in 2004. This equates to an average of 2.6 lb/day with recovery rates ranging from less than 1 lb/day to 4 lb/day.

4.0 GROUNDWATER MONITORING RESULTS

Depth to groundwater measurements were collected from select monitoring wells at the site in June and October 2004. Groundwater samples were also collected for analysis from select monitoring wells in June and October 2004. The groundwater sample collection field logs are provided in *Appendix B.*

4.1 GROUNDWATER ELEVATION MEASUREMENTS

During June 2004, the depth to groundwater from the top of the casing was gauged in six Type II monitoring wells at the site. The depth to groundwater ranged from 10.46 feet bls in monitoring well 1613-11 to 14.21 feet bls in monitoring well 1613-10. Groundwater elevations ranged from 14.45 feet National Geodetic Vertical Datum (NGVD) in monitoring well 1613-20 to 14.98 feet NGVD in monitoring well HPGW-6. No detectable thickness of free product was observed in any of the wells. A groundwater elevation contour map for the Type II monitoring wells during the June 2004 gauging event is presented in *Figure 4.1.* Data from this event are summarized in *Table 4.1.*

During October 2004, the depth to groundwater from the top of the casing was gauged in 19 Type II monitoring wells at the site. The depth to groundwater ranged from 5.33 feet bls in monitoring well 1613-9 to 14.2 feet bls in monitoring well HPGW-6. Groundwater elevations ranged from 13.9 feet NGVD in monitoring well HPGW-6 to 23.71 feet NGVD in monitoring well 1613-8. No detectable thickness of free product was observed in any of the wells. A groundwater elevation contour map for the Type II monitoring wells during the October 2004 gauging event is presented in *Figure 4.2.* Data from this event are summarized in *Table 4.1.*

During October 2004, the depth to groundwater from the top of the casing was gauged in four Type III monitoring wells at the site. The depth to groundwater ranged from 9.82 feet bls in monitoring well 1613-13 to 16.08 feet bls in monitoring well 1613-15. Groundwater elevations ranged from 13.19 feet NGVD in monitoring well 1613-15 to 15.77 feet NGVD in monitoring well 1613-13. No detectable thickness of free product was observed in any of the wells. *Figure 4.3* presents groundwater elevations of the Type III monitoring wells for the October 2004 gauging event. Data from this event are summarized in *Table 4.1.*

4.2 GROUNDWATER SAMPLING AND ANALYSIS

4.2.1 June 2004 Sampling Event

Groundwater sample collection and analysis was completed at seven Type II monitoring wells (1613-06, 1613-10, 1613-11, 1613-20, 1613-21, 1613-22, and HPGW6) on June 24, 2004. One Type III monitoring well (1613-16) was also sampled. The samples were analyzed for Volatile Organic Compounds (VOCs) using Method 624 and Polynuclear Aromatic Hydrocarbons (PAHs) using Method 610. Of the eight monitoring wells sampled, the following three wells displayed compounds in excess of NC Groundwater Quality Standards.

- 1613-20 (1.3 µg/L, benzene)
- 1613-21 (2.8 µg/L, benzene)
- 1613-22 (345 µg/L, benzene; 1,180 µg/L, ethylbenzene; 3,910 µg/L, toluene; 1,180 µg/L, ethylbenzene; and 288 µg/L, naphthalene).
- HPGW-6 (63.4 µg/L, benzene; 52.7 µg/L, ethylbenzene; 3,910 µg/L, total xylenes; and 288 µg/L, naphthalene).

Groundwater analytical results of the contaminants of concern for the June 2004 sampling event are presented in *Table 4.2* and on *Figure 4.4 (benzene); Figure 4.5 (ethylbenzene); Figure 4.6 (toluene); Figure 4.7 (methyl tert-butyl ether); Figure 4.8 (total xylenes);* and *Figure 4.9 (naphthalene).* The complete laboratory analytical reports showing all detections are provided in *Appendix C.*

4.2.2 October 2004 Sampling Event

In accordance with recommendations in CATLINs revised Corrective Action Plan, during the first week in October 2004 groundwater sample collection and analysis was completed at the seven Type II monitoring wells (1613-06, 1613-10, 1613-11, 1613-20, 1613-21, 1613-22 and HPGW6) that have historically been sampled, plus 14 additional Type II monitoring wells (1613-01, 1613-02, 1613-03, 1613-04, 1613-05, 1613-07, 1613-08, 1613-09, 1613-12, 1613-17, 1613-18, 1613-19, HGPW-5 and HPGW-7). In addition to Type III monitoring well (1613-16), an additional three Type III monitoring wells (1613-13, 1613-14 and 1613-15) were also sampled. The samples were analyzed for VOCs using Method 601/602, MADEP-VPH, MADEP-EPH and 1,2-Dibromomethane (EDB) using Method 504.1. Of the 25 monitoring wells sampled, the following five wells displayed compounds in excess of NC Groundwater Quality Standards.

- 1613-15 [Type III] (299 µg/L, Methyl tert-butyl ether)
- 1613-17 (113 µg/L, benzene; 377 µg/L, ethylbenzene; 1,920 µg/L, Toluene; and 2,670 µg/L, total Xylenes)
- 1613-21 (3.2 µg/L, benzene; 4,300 µg/L, C_5-C_8 Aliphatics; and 878 µg/L, C_{11}-C_{22} Aromatics).
- 1613-22 (356 µg/L, benzene; 1,040 µg/L, ethylbenzene; 1,250 µg/L, Toluene; and 3,520 µg/L, total Xylenes)
- HPGW-6 (5.2 µg/L, benzene; 54.6 µg/L, ethylbenzene; 1,880 µg/L, total Xylenes; and 543 µg/L, C_5-C_8 Aliphatics; and 231 µg/L, C_{11}-C_{22} Aromatics)

Groundwater analytical results of the contaminants of concern for the October 2004 sampling event are presented in *Table 4.3* and *Figure 4.4 (benzene); Figure 4.5 (ethylbenzene); Figure 4.6 (toluene); Figure 4.7 (methyl tert-butyl ether); Figure 4.8 (total xylenes);* and *Figure 4.9 (naphthalene).* The complete laboratory analytical reports showing all detections are provided in *Appendix C.*

5.0 CONCLUSIONS

5.1 AS/SVE SYSTEM OPERATION

Five additional AS/SVE well pairs were brought on line in late April 2001. The expanded system average hydrocarbon vapor recovery rate increased from less than 1 lb/day (January 2001 through April 2001) to 11 lb/day (May 2001 through December 2001) and recovered approximately 2,700 pounds of hydrocarbons from May 2001 through December 2001. This recovery rate decreased slightly in 2002 recovering approximately 3,000 pounds of hydrocarbons with an average vapor recovery rate of 8.7 lb/day. This decreasing trend in vapor recovery continued in 2003 recovering approximately 1,150 pounds of hydrocarbons with an average vapor recovery rate of 3.5 lb/day. The decreasing trend continued during the five months in 2004 the system operated before being shut down May 24, 2004. During this time a total of 346 pounds of hydrocarbons was recovered for an average recovery rate of 2.6 lb/day.

5.2 GROUNDWATER ELEVATION MEASUREMENTS

Figures 4.1, 4.2 and *4.3* present groundwater elevations from the Type II and Type III monitoring wells measured during the June 2004 and October 2004 sampling events. In general groundwater elevations decreased between 0.5 to 1.0 feet from the elevations observed in 2003. A few wells showed a slight increase but a majority of the wells demonstrated a decrease in groundwater elevations. This is the result of more normal rainfall during 2004 than was observed in 2003 (i.e., 51-inches of rain in 2004 compared to 81-inches of rain in 2003). The average annual rainfall for the area is 55-inches. Groundwater in the shallow aquifer appears to flow from the northeast and the southwest (toward the center of the site) and then flows from the center of the site at a lower gradient toward the south.

Based on groundwater level measurements collected from Type II and Type III monitoring well clusters there is a significant downward vertical gradient at the site. This is consistent with past groundwater level measurements. However, monitoring well cluster 1613-10 (Type II) and 1613-16 (Type III) measurements in December 2002 indicated a reverse, to an upward gradient, in the central portion of the site. This upward gradient persisted during both the June and December monitoring events completed in 2003. Groundwater elevation measurements collected during the October 2004 groundwater sampling event indicates the upward gradient observed over the last year has

reverted back to a downward gradient. The groundwater elevation measurements for the shallow and deep well clusters are as follows:

- December 2003: 1613-7 (shallow), 19.40 NGVD; 1613-13 (deep), 16.39 NGVD
  October 2004: 1613-7, 18.03 NGVD; 1613-13, 15.77 NGVD

- December 2003: 1613-8 (shallow), 25.41 NGVD; 1613-15 (deep), 14.41 NGVD
  October 2004: 1613-8, 23.71 NGVD; 1613-15, 13.19 NGVD

- December 2003: 1613-10 (shallow), 15.55 NGVD; 1613-16 (deep), 16.75 NGVD
  October 2004: 1613-10, 15.21 NGVD; 1613-16, 14.87 NGVD

5.3 GROUNDWATER ANALYTICAL RESULTS

Monitoring wells 1613-6 and 1613-10 have been sampled 17 times since September 1998. One monitoring well (1613-11) has been sampled 10 times beginning in November 1999. Five monitoring wells (HPGW6, 1613-16, 1613-20, 1613-21 and 1613-22) have been sampled nine times beginning September 2000. The 13 additional monitoring wells added to the sampling program in October 2004 (HPGW-5, HPGW-7, 1613-3, 1613-4, 1613-7, 1613-8, 1613-9, 1613-12, 1613-13, 1613-14, 1613-15, 1613-17, and 1613-18) were last sampled in September 2000.

Of the eight monitoring wells sampled in June 2004, only three (1613-21, 1613-22 and HPGW6) have consistently displayed dissolved petroleum hydrocarbon compounds in excess of NC Groundwater Quality Standards dating back to June 2003. Monitoring well 1613-20 (1.3 µg/L) also demonstrated a slight increase in benzene concentration that exceeded the NC Groundwater Quality Standard.

Of the 25 monitoring wells sampled in October 2004, only five (1613-15, 1613-17, 1613-21, 1613-22 and HPGW-6) displayed dissolved petroleum hydrocarbon compounds in excess of NC Groundwater Quality Standards.

Historical groundwater analytical results for monitoring wells at the site are provided in *Appendix D.* Graphs comparing groundwater elevation versus total BTEX concentration in select monitoring wells that have displayed the presence of BTEX compounds above the groundwater quality standard are provided in *Appendix E.*

Analytical results during 2002, 2003 and 2004 confirm the horizontal and vertical extent of contamination has been delineated at the site. The area of contaminated groundwater extends southeast from HPGW-6 and 1613-17 in the vicinity of the ASTs across the central portion of the site, to the south side of West Street in the vicinity of monitoring wells 1613-20 and 1613-21.

6.0 RECOMMENDATIONS

Results of the optimization survey completed by CATLIN, concluded that the site meets the criteria for classification as a Low Risk and Industrial/Commercial Land Use site. This ranking revises the target cleanup goals for both soil and groundwater. The new target cleanup level for soil will be based on the Industrial Maximum Soil Contaminant Concentrations (MSCCs), and the target cleanup level for groundwater will be the Gross Contaminant Concentrations (GCLs).

6.1 AS/SVE SYSTEM OPERATION

In accordance with recommendations presented in the revised corrective plan completed by CATLIN, the AS/SVE system was shutdown May 24, 2004 and quarterly groundwater sampling and analysis was initiated. The AS/SVE system will remain off during implementation of the post remedial action groundwater monitoring program.

6.2 GROUNDWATER MONITORING

As stated in the CATLIN report, no constituents have been identified above GCLs since 1998. Therefore, CATLIN recommended sampling all on-site monitoring wells HPGW-5, HPGW-6, HPGW-7, 1613-1, 1613-2, 1613-3, 1613-4, 1613-5, 1613-6, 1613-7, 1613-8, 1613-9, 1613-10, 1613-11, 1613-12, 1613-13, 1613-14, 1613-15, 1613-16, 1613-17, 1613-18, 1613-19, 1613-20, 1613-21, and 1613-22) during the first and fourth quarters following system shutdown. And only select monitoring wells in the vicinity of the current contaminant plume (1613-6, 1613-10, 1613-11, 1613-20, 1513-21, 1613-22 and HPGW-6) be sampled during the second and third quarters. The samples will be analyzed for the following Risk Based analysis:

- EPA Methods 601, 602 with IPE, MTBE, EDB and xylenes;
- EPA Method 625 (benzo(a)anthracene only); and
- MADEP VPH/EPH.

The analytical results will be compared to the 2L groundwater quality standard (GWQS). *Tables 6.1* and *6.2* present a summary of the groundwater sampling program recommended in the RCAP. During the sampling events, depth to groundwater measurements will be collected from the following Type II monitoring wells: HPGW-6, 1613-1, 1613-2, 1613-3, 1613-4, 1613-5, 1613-6, 1613-7, 1613-8, 1613-9, 1613-10, 1613-11, 1613-12, 1613-17, 1613-18, 1613-19, 1613-20, 1613-21, and 1613-22. Depth to

groundwater measurements will be collected from the following Type III monitoring wells: 1613-13, 1613-14, 1613-15, and 1613-16.

TABLES

TABLE 2.1

MCB CAMP LEJEUNE
BUILDING 1613 ANNUAL REPORT
GROUNDWATER
SITE REHABILITATION GOALS

ANALYTE	2001 MAXIMUM CONCENTRATION	2002 MAXIMUM CONCENTRATION	2003 MAXIMUM CONCENTRATION	2004 MAXIMUM CONCENTRATION	TARGET CONCENTRATION (NORTH CAROLINA STANDARDS)*
Benzene	583 µg/L	437 µg/L	289 µg/L	356 µg/L	1 µg/L
Toluene	2,460 µg/L	1,080 µg/L	2,060 µg/L	3,910 µg/L	1000 µg/L
Ethylbenzene	241 µg/L	342 µg/L	217 µg/L	1,180 µg/L	29 µg/L
Xylenes	2,860 µg/L	2,380 µg/L	1,660 µg/L	6,540 µg/L	530 µg/L
MTBE	719 µg/L	474 µg/L	54.3 µg/L	299 µg/L	200 µg/L
Naphthalene	36.2 µg/L	125 µg/L	47.8 µg/L	288 µg/L	21 µg/L

µg/L = parts per billion
* = Goals of remediation are to achieve target concentrations or less

TABLE 3.1

Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparging (AS) / Soil Vapor Extraction (SVE) System
MCB CAMP LEJEUNE - Building 1613
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
09/04/02	13:00	33321	66	3900	579	310	0.35	10	34681.79	
09/13/02	11:24	33489	56	4200	565	342	0.30	9	34747.69	
09/18/02	9:55	33607	75	4200	568	340	0.40	12	34799.90	
09/25/02	10:22	33774	91	4000	559	329	0.48	14	34891.65	
10/01/02	11:01	33917	36	4100	563	335	0.19	6	34951.17	
10/07/02	14:20	34065	37	4100	565	333	0.20	6	34986.96	
10/16/02	15:42	34281	38	4100	552	341	0.20	6	35041.16	
10/23/02	9:39	34444	27	3600	552	300	0.14	4	35075.21	
10/30/02	13:45	34617	58	4000	551	334	0.31	9	35122.28	
11/08/02	13:24	34833	48	3600	552	300	0.26	7	35194.53	
11/15/02	11:05	34998	44	3700	553	307	0.23	6	35240.21	
11/22/02	10:25	35166	29	4500	554	373	0.15	5	35280.78	
11/25/02	12:45	35240	30	3800	551	317	0.16	5	35295.70	
12/04/02	12:45	35455	27	3600	532	311	0.14	4	35333.87	
12/12/02	11:25	35644	42	3900	539	333	0.22	7	35375.77	
12/18/02	9:30	35777	34	3400	536	292	0.18	5	35407.26	
12/23/02	12:50	35897	31	3800	541	323	0.16	5	35430.96	
01/02/03	14:15	36141	32	3200	551	267	0.17	4	35475.84	
01/06/03	13:10	36236	21	3400	545	287	0.11	3	35489.55	
01/15/03	7:50	36445	21	3500	529	304	0.11	3	35515.26	
01/20/03	8:30	36564	23	3200	529	278	0.12	3	35530.34	
02/01/03	8:45	36850	27	3500	532	302	0.14	4	35571.62	
02/04/03	8:15	36920	27	3700	539	315	0.14	4	35583.20	
02/13/03	15:00	37143	27	3500	541	297	0.14	4	35619.78	
02/18/03	14:45	37263	25	3200	544	270	0.13	3	35637.38	
02/24/03	11:30	37405	16	3400	552	283	0.09	2	35653.27	
03/03/03	14:30	37574	16	3700	553	307	0.09	2	35669.10	
03/11/03	13:30	37701	19	3400	554	282	0.10	3	35682.05	
03/17/03	15:05	37847	12	3300	556	273	0.06	2	35694.54	
03/24/03	13:30	37921	12	4300	552	358	0.06	2	35700.10	
03/31/03	13:20	38091	17	3700	549	310	0.09	3	35716.21	
04/08/03	13:00	38280	15	3800	545	320	0.08	2	35735.09	
04/14/03	14:15	38405	15	4600	568	372	0.08	3	35747.96	
04/21/03	14:30	38536	15	4300	558	354	0.08	3	35762.12	
04/29/03	9:40	38723	15	3600	561	295	0.08	2	35780.17	

TABLE 3.1

Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparging (AS) / Soil Vapor Extraction (SVE) System
MCB CAMP LEJEUNE - Building 1613
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
05/07/03	10:30	38915	14	4300	559	354	0.07	2	35798.01	
05/13/03	10:30	39060	17	3900	562	319	0.09	3	35812.92	
05/20/03	8:45	39193	15	3900	552	325	0.08	2	35826.49	
05/28/03	15:25	39295	26	8600	574	689	0.14	9	35849.53	
06/03/03	12:30	39409	24	3800	564	310	0.13	4	35878.16	
06/11/03	9:30	39564	14	4100	570	331	0.07	2	35896.70	
06/18/03	8:30	39731	17	4100	567	332	0.09	3	35913.71	
06/24/03	13:30	39807	17	4400	574	352	0.09	3	35922.48	
06/30/03	15:20	39953	12	4200	578	334	0.06	2	35936.95	
07/07/03	15:30	40012	20	4200	570	339	0.11	3	35943.26	
07/15/03	9:00	40198	10	4100	570	331	0.05	2	35961.85	
07/22/03	15:30	40373	18	4100	573	329	0.10	3	35977.85	
07/29/03	10:00	40534	19	4200	577	335	0.10	3	35997.45	
08/06/03	10:00	40726	21	4500	569	363	0.11	4	36024.08	
08/11/03	13:05	40784	14	4500	571	362	0.07	2	36031.39	
08/19/03	3:30	40952	29	4600	570	371	0.15	5	36057.75	
08/25/03	1:30	41095	20	4900	577	390	0.11	4	36084.07	
09/02/03	11:00	41282	26	5200	575	416	0.14	5	36118.57	
09/08/03	8:30	41425	33	4700	563	384	0.18	6	36151.85	Hurricane Isabel
09/22/03	12:30	41648	27	4100	564	334	0.14	4	36199.79	
09/30/03	12:30	41837	37	3700	559	304	0.20	5	36237.78	
10/07/03	12:00	42000	31	4100	558	338	0.16	5	36272.89	
10/13/03	12:00	42135	42	4300	566	349	0.22	7	36306.53	
10/21/03	11:00	42323	39	3800	549	318	0.21	6	36356.99	
10/31/03	13:22	42562	42	3900	553	324	0.22	6	36418.65	
11/04/03	10:00	42658	38	3400	556	281	0.20	5	36441.77	
11/12/03	13:05	42829	26	3600	557	297	0.14	4	36472.97	
11/18/03	10:30	42966	23	3700	549	310	0.12	3	36493.14	
11/24/03	10:00	43108	28	3800	546	320	0.15	4	36515.78	
12/03/03	15:35	43326	22	3500	526	306	0.12	3	36549.68	
12/11/03	11:00	43492	26	3600	543	305	0.14	4	36573.79	
12/18/03	15:05	43653	14	3600	546	303	0.07	2	36593.21	
12/26/03	10:30	43830	19	4000	560	328	0.10	3	36611.60	
12/31/03	14:15	43953	20	3900	556	322	0.11	3	36627.07	

TABLE 3.1

Cumulative Mass of Volatile Hydrocarbons Recovered
Air Sparging (AS) / Soil Vapor Extraction (SVE) System
MCB CAMP LEJEUNE - Building 1613
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
01/07/04	14:40	44116	26	3600	524	316	0.14	4	36650.76	
01/14/04	11:00	44277	14	3800	525	333	0.07	2	36671.30	
01/22/04	13:30	44438	2	4000	561	328	0.01	0	36679.78	
01/29/04	11:20	44601	25	3800	538	325	0.13	4	36693.95	
02/04/04	12:40	44733	18	4100	541	348	0.10	3	36712.78	
02/13/04	11:45	44939	18	3800	543	322	0.10	3	36737.41	
02/19/04	11:40	45020	18	3600	556	298	0.10	3	36746.36	
02/27/04	11:40	45203	16	3500	525	306	0.09	2	36764.97	
03/04/04	10:50	45344	23	3800	553	316	0.12	3	36781.98	
03/12/04	10:10	45529	22	3800	552	316	0.12	3	36808.07	
03/17/04	13:00	45651	28	3800	544	321	0.15	4	36827.37	
03/25/04	15:30	45838	29	3800	557	314	0.15	4	36860.89	
04/01/04	10:00	45950	34	3100	544	262	0.18	4	36880.88	
04/09/04	14:40	46148	28	3000	562	245	0.15	3	36911.84	
04/15/04	10:45	46268	12	2800	535	241	0.06	1	36923.45	
04/21/04	11:00	46409	12	3100	559	255	0.06	1	36931.76	
04/28/04	11:00	46572	9	3400	549	285	0.05	1	36940.84	
05/04/04	11:15	46716	13	3100	560	254	0.07	2	36949.22	
05/11/04	10:05	46862	7	3900	570	314	0.04	1	36957.20	
05/18/04	8:30	47028	10	3400	565	277	0.05	1	36965.37	
05/24/04	8:30	47172	10	3467	565	282	0.05	1	36973.35	

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, calculation assumes saturated water stream or B = 0.

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)

$M = Q \times C \times 0.0895$

M: hydrocarbon recovery rate (lb/day)

Assumptions:

Mg = 128 mg/mg-mole

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

B = 0.003 from Perry's Chemical Hanc

A = 0.0873 sq. ft

percent water vapor by volume	0.003
SVE Stack pipe diameter	4

at 68 degrees F (from Perry's handbook)

* Estimated value due to malfunctionng instrument

TABLE 3.2

Cumulative Mass of Hydrocarbons Recovered

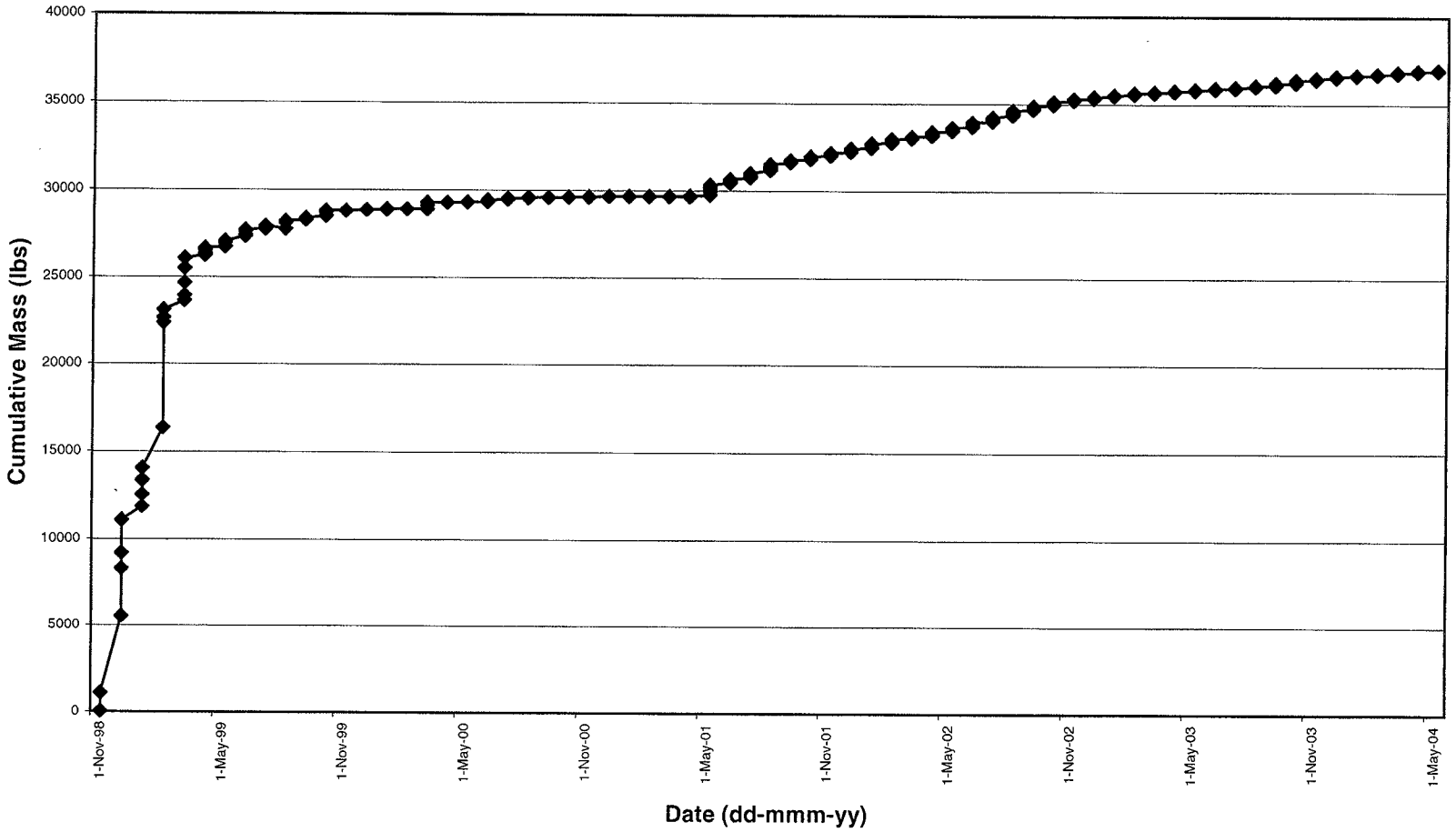


Table 4.1
Groundwater Elevation Table
Building 1613

Well No.	Well Type (depth)	Top of Casing	Date Measured	Depth (BTC)	Elev. (NGVD)	Date Measured	Depth (BTC)	Elev. (NGVD)	Date Measured	Depth (BTC)	Elev. (NGVD)	Date Measured	Depth (BTC)	Elev. (NGVD)	Date Measured	Depth (BTC)	Elev. (NGVD)	Date Measured	Depth (BTC)	Elev. (NGVD)
HPGW-6	Type II	28.10	Jun-02	13.61	14.49	Dec-02	14.35	13.75	Jun-03	12.23	15.87	Dec-03	11.31	16.79	Jun-04	13.12	14.98	Oct-04	14.2	13.90
1613-1	Type II	28.22	Jun-02	15.86	12.36	Dec-02	14.53	13.69	Jun-03	11.11	17.11	Dec-03	12.41	15.81	Jun-04	NM	NM	Oct-04	12.05	16.17
1613-2	Type II	28.69	Jun-02	14.66	14.03	Dec-02	12.23	16.46	Jun-03	10.09	18.60	Dec-03	10.22	18.47	Jun-04	NM	NM	Oct-04	10.32	18.37
1613-3	Type II	25.50	Jun-02	13.46	12.04	Dec-02	12.26	13.24	Jun-03	10.04	15.46	Dec-03	11.11	14.39	Jun-04	NM	NM	Oct-04	10.3	15.20
1613-4	Type II	26.28	Jun-02	8.65	17.63	Dec-02	7.34	18.94	Jun-03	6.03	20.25	Dec-03	6.62	19.66	Jun-04	NM	NM	Oct-04	6.74	19.54
1613-5	Type II	24.89	Jun-02	8.35	16.54	Dec-02	6.75	18.14	Jun-03	6.09	18.80	Dec-03	7.08	17.81	Jun-04	NM	NM	Oct-04	6.29	18.60
1613-6	Type II	27.77	Jun-02	15.75	12.02	Dec-02	14.33	13.44	Jun-03	10.81	16.96	Dec-03	10.41	17.36	Jun-04	13.28	14.49	Oct-04	11.81	15.96
1613-7	Type II	25.34	Jun-02	11.22	14.12	Dec-02	9.95	15.39	Jun-03	6.51	18.83	Dec-03	5.94	19.40	Jun-04	NM	NM	Oct-04	7.31	18.03
1613-8	Type II	29.15	Jun-02	7.70	21.45	Dec-02	5.56	23.59	Jun-03	4.09	25.06	Dec-03	3.74	25.41	Jun-04	NM	NM	Oct-04	5.44	23.71
1613-9	Type II	25.89	Jun-02	7.72	18.17	Dec-02	6.45	19.44	Jun-03	4.95	20.94	Dec-03	4.38	21.51	Jun-04	NM	NM	Oct-04	5.33	20.56
1613-10	Type II	28.67	Jun-02	16.72	11.95	Dec-02	15.49	13.18	Jun-03	14.06	14.61	Dec-03	13.12	15.55	Jun-04	14.21	14.46	Oct-04	13.46	15.21
1613-11	Type II	25.24	Jun-02	12.91	12.33	Dec-02	11.68	13.56	Jun-03	9.20	16.04	Dec-03	8.64	16.60	Jun-04	10.46	14.78	Oct-04	9.63	15.61
1613-12	Type II	26.45	Jun-02	14.63	11.82	Dec-02	13.1	13.35	Jun-03	11.45	15.00	Dec-03	10.36	16.09	Jun-04	NM	NM	Oct-04	10.87	15.58
1613-17	Type II	25.62	Jun-02	13.61	12.01	Dec-02	12.28	13.34	Jun-03	9.95	15.67	Dec-03	8.63	16.99	Jun-04	NM	NM	Oct-04	10.34	15.28
1613-18	Type II	25.25	Jun-02	16.11	9.14	Dec-02	11.42	13.83	Jun-03	12.47	12.78	Dec-03	11.21	14.04	Jun-04	NM	NM	Oct-04	10.2	15.05
1613-19	Type II	24.93	Jun-02	13.14	11.79	Dec-02	NM	NM	Jun-03	NM	NM	Dec-03	NM	NM	Jun-04	NM	NM	Oct-04	9.51	15.42
1613-20	Type II	25.72	Jun-02	13.80	11.92	Dec-02	12.59	13.13	Jun-03	10.81	14.91	Dec-03	9.98	15.74	Jun-04	11.27	14.45	Oct-04	10.19	15.53
1613-21	Type II	26.24	Jun-02	13.76	12.48	Dec-02	12.57	13.67	Jun-03	10.35	15.89	Dec-03	9.46	16.78	Jun-04	11.29	14.95	Oct-04	10.46	15.78
1613-22	Type II	25.52	Jun-02	13.35	12.17	Dec-02	11.69	13.83	Jun-03	10.80	14.72	Dec-03	9.84	15.68	Jun-04	10.88	14.64	Oct-04	10.14	15.38
1613-13	Type III	25.59	Jun-02	13.68	11.91	Dec-02	12.14	13.45	Jun-03	10.00	15.59	Dec-03	9.20	16.39	Jun-04	NM	NM	Oct-04	9.82	15.77
1613-14	Type III	27.65	Jun-02	16.39	11.26	Dec-02	12.24	15.41	Jun-03	9.74	17.91	Dec-03	10.08	17.57	Jun-04	NM	NM	Oct-04	12.97	14.68
1613-15	Type III	29.27	Jun-02	18.95	10.32	Dec-02	18.1	11.17	Jun-03	16.15	13.12	Dec-03	14.86	14.41	Jun-04	NM	NM	Oct-04	16.08	13.19
1613-16	Type III	27.03	Jun-02	16.10	10.93	Dec-02	13.22	13.81	Jun-03	11.38	15.65	Dec-03	10.28	16.75	Jun-04	NM	NM	Oct-04	12.16	14.87

NM = Not Measured
All elevations are in feet above National Geodetic Vertical Datum (NGVD)

CLJ - Building 1613
Project #110385

Table 4.2
Groundwater Analytical Results
Sampling Event **June 2004 Organics**

Well ID:			**1613-11**	**1613-10**	**1613-6**	**1613-20**	**1613-21**	**HPGW6**	**1613-22**	**1613-16**
Laboratory Sample ID:			F25081-2	F25081-6	F25081-1	F25081-3	F25081-4	F25081-5	F25081-7	F25081-9
Date Sampled:			06/24/04	06/24/04	06/24/04	06/24/04	06/24/04	06/24/04	06/24/04	06/24/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 624										
Benzene	1	5000	**0.95 J**	<1.0	<1.0	**1.3**	**2.8**	**63.4**	**345**	<1.0
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0
1,3-Dichlorobenzene	620	61500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0
1,4-Dichlorobenzene	75	39500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0
Ethylbenzene	29	29000	**3.5**	<1.0	<1.0	**7.4**	**12.9**	**52.7**	**1180**	<1.0
Toluene	1000	257500	**10.8**	**0.96 J**	**0.81 J**	**25.7**	**50.5**	**60.8**	**3910**	**1.8**
Methyl tert-butyl ether	200	200000	<1.0	**1.8**	<1.0	**13.4**	<1.0	<1.0	<50	<1.0
Xylenes (total)	530	87500	**21.6**	**2.2 J**	<3.0	**45.6**	**77.4**	**1040**	**6540**	**3.6**
Total BTEX			**36.85**	**3.16**	**0.81**	**80**	**143.6**	**1216.9**	**11975**	**5.4**
EPA 610										
Acenaphthene	80	2120	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0
Acenaphthylene	210	1965	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0
Anthracene	2100	2100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzo(a)anthracene	0.05	22	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Fluoranthene	280	280	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Fluorene	280	950	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Naphthalene	21	15500	<5.0	<5.0	<5.0	<5.0	**2.7 J**	**30.2**	**288**	<5.0
Phenanthrene	210	410	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Pyrene	210	210	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bold type indicates detectable concentrations.										
Shaded area indicates detectable concentrations above 2L GWQS										

Printed: 3/3/2005
Samples analyzed by Accutest

CLJ - Building 1613
Project #110385

Table 4.3
Groundwater Analytical Results
Sampling Event **October 2004 Organics**

Well ID:			1613-01	1613-02	1613-03	1613-04	1613-05	1613-06	1613-07	1613-08	1613-09	1613-10	1613-11	1613-12	1613-13
Laboratory Sample ID:			F27129-4	F27129-3	F27281-3	F27129-7	F27129-6	F27129-5	F27129-2	F27129-8	F27281-1	F27308-1	F27281-4	F27281-2	F27129-1
Date Sampled:			09/30/04	09/30/04	10/06/04	10/01/04	09/30/04	09/30/04	09/30/04	10/01/04	10/6/04	10/8/04	10/6/04	10/6/04	9/30/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602															
Benzene	1	5000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	<1.0	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	**0.85 J**	**1.0**	<1.0
Toluene	1000	5000	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	**1.8**	<1.0	**1.0**	**1.3**	<1.0
Methyl tert-butyl ether	200	257500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	<1.0	<1.0
Xylenes (total)	530	200000	<3.0	<3.0	**3.9**	<3.0	<3.0	<3.0	<3.0	<3.0	**4.8**	<3.0	**3.2**	**3.7**	<3.0
Total BTEX		87500	**0**	**0**	**6.3**	**0**	**0**	**0**	**0**	**0**	**7.9**	**0**	**4.2**	**6.0**	**0**
MADEP VPH															
C5-C8 Aliphatics (Unadj.)	420	NS	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	<55	<55	<55	<55	<55	<55	<55	<55	<55	<55	<55	<55	<55
C9-C10 Aromatics (Unadj.)	NS	NS	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
MADEP EPH															
C11-C22 Aromatics (Unadj.)	210	NS	<190	<190	<190	<190	<190	<190	<190	<210	<190	**202**	<190	<190	<190
C9-C18 Aliphatics	4200	NS	<190	<190	<190	<190	<190	<190	<190	<210	<190	<190	<190	<190	<190
C19-C36 Aliphatics	42000	NS	<190	<190	<190	<190	<190	<190	<190	<210	<190	<190	<190	<190	<190
EPA 504.1															
1,2-Dibromoethane	0.0004	50	<0.019	<0.019	<0.019	<0.019	<0.019	<0.020	<0.019	<0.020	<0.019	<0.020	<0.019	<0.019	<0.019
Bold type indicates detectable concentrations.															
Shaded area indicates detectable concentrations above 2L GWQS															

Well ID:			1613-14	1613-15	1613-16	1613-17	1613-18	1613-19	1613-20	1613-21	1613-22	HPGW-5	HPGW-6	HPGW-7
Laboratory Sample ID:			F27308-3	F27129-9	F27308-2	F27281-8	F27281-7	F27281-9	F27193-1	F27193-2	F27193-3	F27394-2	F27281-6	F27394-1
Date Sampled:			10/8/04	10/1/04	10/8/04	10/7/04	10/7/04	10/7/04	10/4/04	10/4/04	10/4/04	10/11/04	10/6/04	10/11/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602														
Benzene	1	5000	<1.0	<1.0	<1.0	**113**	<1.0	**0.62 J**	**0.77 J**	**356**	**3.2**	<1.0	**5.2**	<1.0
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	<1.0	<1.0	<1.0	**377**	**3.4**	<1.0	**7.1**	**1040**	**16.1**	<1.0	**54.6**	<1.0
Toluene	1000	5000	<1.0	<1.0	<1.0	**1920**	**1.4**	<1.0	**10.1**	**1250**	**30.6**	<1.0	**393**	<1.0
Methyl tert-butyl ether	200	257500	<1.0	**299**	**17.9**	<10	<1.0	<1.0	**7.5**	**28.6**	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	200000	<3.0	<3.0	<3.0	**2670**	**84.6**	**2.1 J**	**27.2**	**3520**	**62**	<3.0	**1880**	<3.0
Total BTEX		87500	**0**	**0**	**0**	**5080**	**89.4**	**0**	**44.4**	**6166**	**111.9**	**0**	**2332.8**	**0**
MADEP VPH														
C5-C8 Aliphatics (Unadj.)	420	NS	<75	**263**	<75	<75	**408**	<75	<75	**4300**	<75	<75	**543 J**	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	<55	<55	<55	**38.8**	**641**	<55	<55	**10300**	**103**	<55	**2850**	<55
C9-C10 Aromatics (Unadj.)	NS	NS	<20	<20	<20	**28.1**	**428**	<20	**15.3 J**	**5690**	**52.6**	<20	**1900**	<20
MADEP EPH														
C11-C22 Aromatics (Unadj.)	210	NS	<190	<190	<190	**337**	<190	<190	<190	**878**	<190	<190	**231**	<190
C9-C18 Aliphatics	4200	NS	<190	<190	<190	**553**	**210**	<190	<190	**1640**	<190	<190	**560**	<190
C19-C36 Aliphatics	42000	NS	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<200	<190
EPA 504.1														
1,2-Dibromoethane	0.0004	50	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
Bold type indicates detectable concentrations.														
Shaded area indicates detectable concentrations above 2L GWQS														

Printed: 3/16/2005
Samples analyzed by Accutest

Table 6.1
Building 1613 (First & Fourth Quarters)
Groundwater Sample Collection and Analysis Table

Analysis	Type II Shallow Monitoring Wells										
	1613-01	1613-02	1613-03	1613-04	1613-05	1613-06	1613-07	1613-08	1613-09	1613-10	1613-11
Field Screening											
Temperature	X	X	X	X	X	X	X	X	X	X	X
Conductivity	X	X	X	X	X	X	X	X	X	X	X
Turbidity	X	X	X	X	X	X	X	X	X	X	X
pH	X	X	X	X	X	X	X	X	X	X	X
Dissolved Oxygen	X	X	X	X	X	X	X	X	X	X	X
ORP	X	X	X	X	X	X	X	X	X	X	X
VOAs Method 601/602 (list + IPE, MTBE, EDB)	X	X	X	X	X	X	X	X	X	X	X
B(a)Anthracene Method 625	X	X	X	X	X	X	X	X	X	X	X
VPH/EPH Method MADEP	X	X	X	X	X	X	X	X	X	X	X

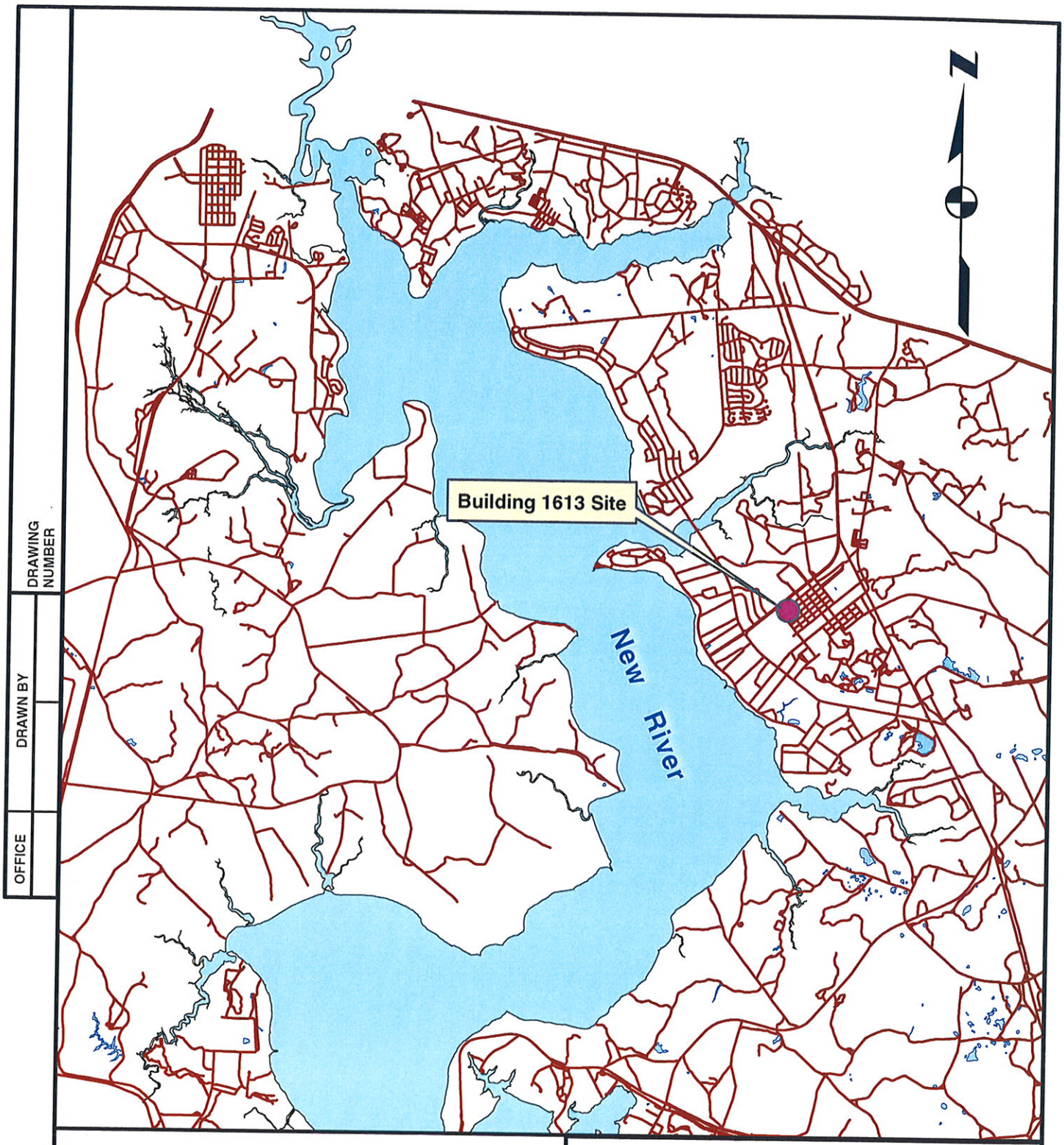
Analysis	Type II Shallow Monitoring Wells										
	1613-12	1613-16	1613-17	1613-18	1613-19	1613-20	1613-21	1613-22	HPGW-5	HPGW-6	HPGW-7
Field Screening											
Temperature	X	X	X	X	X	X	X	X	X	X	X
Conductivity	X	X	X	X	X	X	X	X	X	X	X
Turbidity	X	X	X	X	X	X	X	X	X	X	X
pH	X	X	X	X	X	X	X	X	X	X	X
Dissolved Oxygen	X	X	X	X	X	X	X	X	X	X	X
ORP	X	X	X	X	X	X	X	X	X	X	X
VOAs Method 601/602 (list + IPE, MTBE, EDB)	X	X	X	X	X	X	X	X	X	X	X
B(a)Anthracene Method 625	X	X	X	X	X	X	X	X	X	X	X
VPH/EPH Method MADEP	X	X	X	X	X	X	X	X	X	X	X

Analysis	Type III Deep Monitoring Wells		
	1613-13	1613-14	1613-15
Field Screening			
Temperature	X	X	X
Conductivity	X	X	X
Turbidity	X	X	X
pH	X	X	X
Dissolved Oxygen	X	X	X
ORP	X	X	X
VOAs Method 601/602 (list + IPE, MTBE, EDB)	X	X	X
B(a)Anthracene Method 625	X	X	X
VPH/EPH Method MADEP	X	X	X

Table 6.2
Building 1613 (Second & Third Quarters)
Groundwater Sample Collection and Analysis Table

Analysis	Type II Shallow Monitoring Wells						
	1613-06	1613-10	1613-11	1613-20	1613-21	1613-22	HPGW-6
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 601/602 (list + IPE, MTBE, EDB)	X	X	X	X	X	X	X
B(a)Anthracene Method 625	X	X	X	X	X	X	X
VPH/EPH Method MADEP	X	X	X	X	X	X	X

FIGURES



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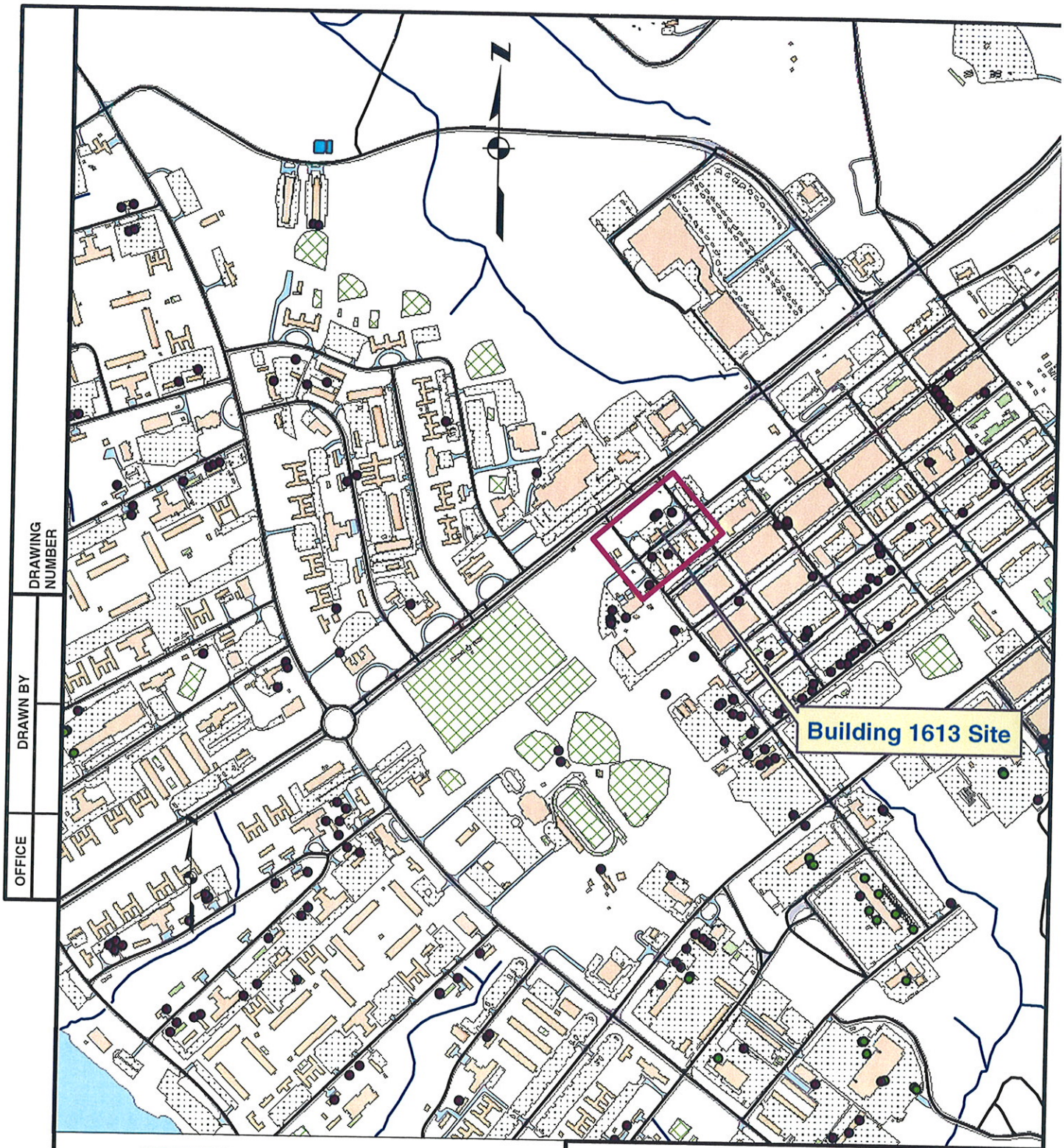
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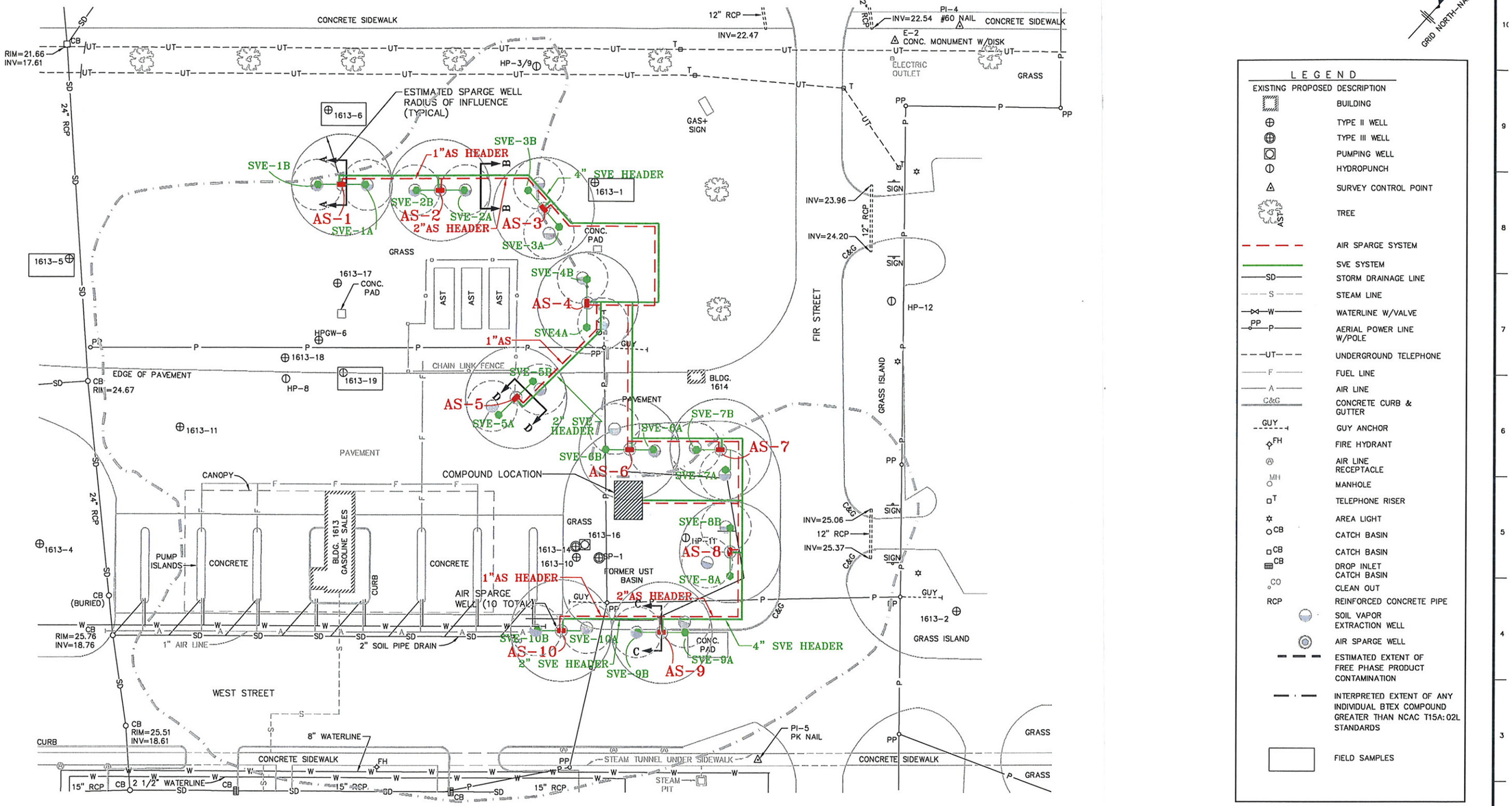
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FIGURE 1-1
LOCATION MAP
BUILDING 1613
MARINE CORPS BASE
CAMP LEJEUNE



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FIGURE 1-2
VICINITY MAP
BUILDING 1613
MARINE CORPS BASE
CAMP LEJEUNE



LEGEND

EXISTING	PROPOSED	DESCRIPTION
		BUILDING
⊕		TYPE II WELL
⊕		TYPE III WELL
⊡		PUMPING WELL
⊕		HYDROPUNCH
△		SURVEY CONTROL POINT
		TREE
— — —		AIR SPARGE SYSTEM
———		SVE SYSTEM
——SD——		STORM DRAINAGE LINE
——S——		STEAM LINE
——W——		WATERLINE W/VALVE
PP P		AERIAL POWER LINE W/POLE
- - UT - -		UNDERGROUND TELEPHONE
——F——		FUEL LINE
——A——		AIR LINE
C&G		CONCRETE CURB & GUTTER
GUY		GUY ANCHOR
FH		FIRE HYDRANT
A		AIR LINE RECEPTACLE
MH		MANHOLE
T		TELEPHONE RISER
		AREA LIGHT
CB		CATCH BASIN
CB		CATCH BASIN
CB		DROP INLET CATCH BASIN
CO		CLEAN OUT
RCP		REINFORCED CONCRETE PIPE
		SOIL VAPOR EXTRACTION WELL
		AIR SPARGE WELL
		ESTIMATED EXTENT OF FREE PHASE PRODUCT CONTAMINATION
		INTERPRETED EXTENT OF ANY INDIVIDUAL BTEX COMPOUND GREATER THAN NCAC T15A:02L STANDARDS
		FIELD SAMPLES

25 0 25 50
SCALE IN FEET

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Shaw Environmental, Inc.

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

CADD FILE: _____
DRAWN: J. LANGE
DESIGNED: B. BROWN
CHECKED: R. KENYON
CHECKED: JIM DUNN

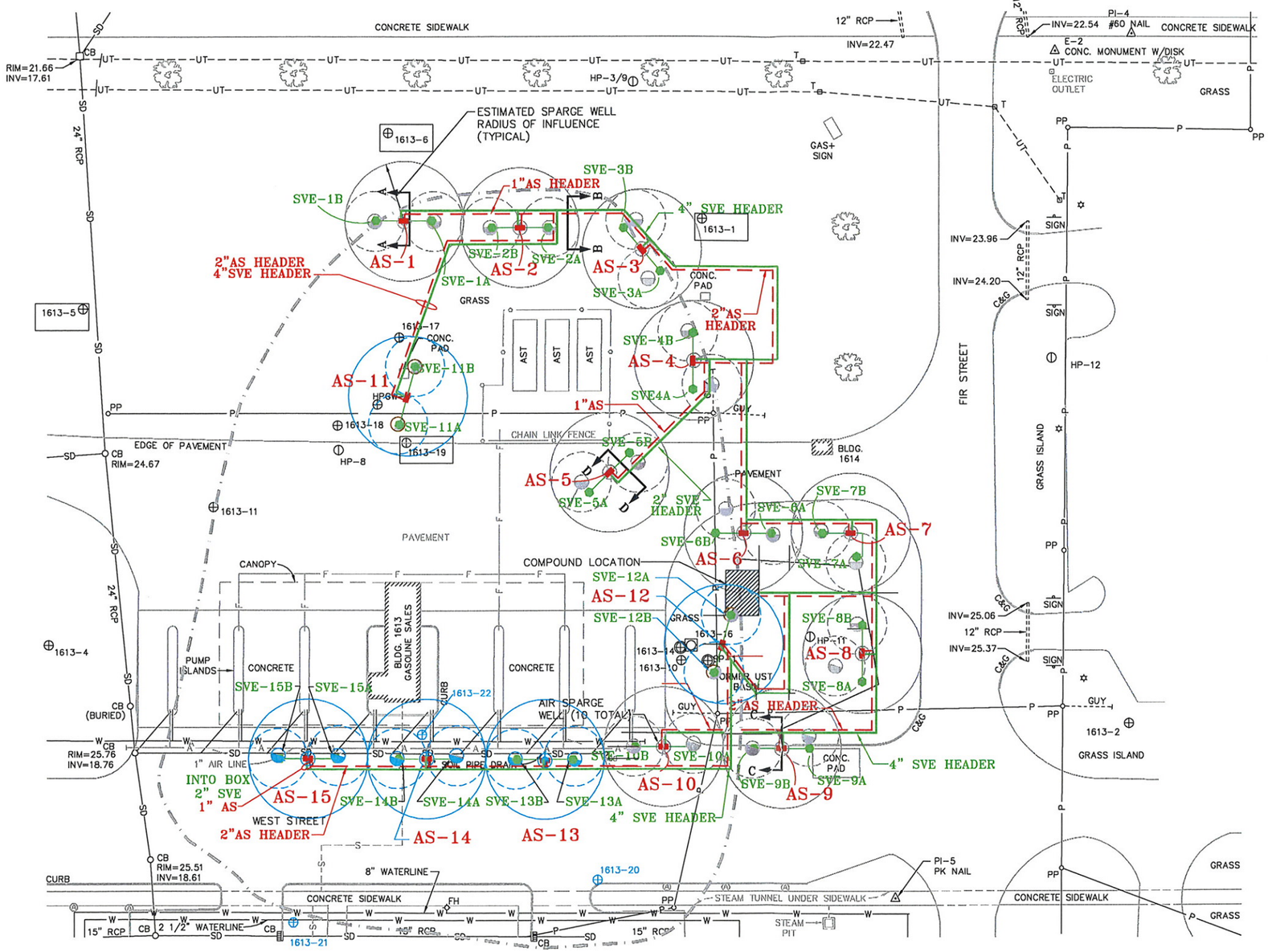
REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	0	WORK PLAN ADDENDUM		6/8/00	

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ATLANTIC DIVISION
NAVAL STATION NORFOLK, VIRGINIA
MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 1.3
ORIGINAL AS/SVE REMEDIAL SYSTEM BUILDING 1613

DRAWING NUMBER:
SHEET NUMBER:
DATE: 3/28/05



LEGEND

EXISTING	PROPOSED	DESCRIPTION
		BUILDING
		TYPE II WELL
		TYPE III WELL
		PUMPING WELL
		HYDROPUNCH
		SURVEY CONTROL POINT
		TREE
		AIR SPARGE SYSTEM
		SVE SYSTEM
		SYSTEM EXPANSION APRIL 2001
		STORM DRAINAGE LINE
		STEAM LINE
		WATERLINE W/VALVE
		AERIAL POWER LINE W/POLE
		UNDERGROUND TELEPHONE
		FUEL LINE
		AIR LINE
		CONCRETE CURB & GUTTER
		GUY ANCHOR
		FIRE HYDRANT
		AIR LINE RECEPTACLE
		MANHOLE
		TELEPHONE RISER
		AREA LIGHT
		CATCH BASIN
		CATCH BASIN
		DROP INLET CATCH BASIN
		CLEAN OUT
		REINFORCED CONCRETE PIPE
		SOIL VAPOR EXTRACTION WELL
		AIR SPARGE WELL
		INTERPRETED EXTENT OF ANY INDIVIDUAL BTEX COMPOUND GREATER THAN NCAC T15A: 02L STANDARDS
		FIELD SAMPLES

25 0 25 50
SCALE IN FEET

Shaw
Shaw Environmental, Inc.

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

CADD FILE: _____
DRAWN: J. LANGE
DESIGNED: B.BROWN
CHECKED: R. KENYON
CHECKED: JIM DUNN

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

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ATLANTIC DIVISION
NAVAL STATION NORFOLK, VIRGINIA
MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 2.1
EXISTING REMEDIAL SYSTEM BUILDING 1613

DRAWING NUMBER:
SHEET NUMBER:
DATE: 3/28/05

CONCRETE SIDEWALK

1613-6
(14.49)

GRASS

1613-1

1613-5

1613-17

AST AST AST

1613-18

HPGW-6
(14.90)

CHAIN LINK FENCE

1613-19

BLDG. 1614

PAVEMENT

FIR STREET

1613-11
(15.61)

PAVEMENT

GUM STREET

PUMP ISLANDS

CANOPY

BLDG. 1613

1613-4

1613-14

1613-16

FORMER UST BASIN

GRASS

1613-10
(14.46)

1613-22
(14.64)

1613-15

1613-8

WEST STREET

1613-20
(14.45)

1613-21
(14.95)

BLDG 1611

1613-9

BLDG 1612

BLDG 1610

1613-3

1613-12

GRASS

GRASS

CURB

PAVED PARKING LOT

DOMINO'S PIZZA

SEPTIC TANK

GRASS

PAVED PARKING LOT

1613-2

GRASS

1613-13

1613-7

BLDG 1500

GRID NORTH-NAD 83

LEGEND

- ⊕ EXISTING TYPE II WELL
- ⊕ EXISTING TYPE III WELL
- TREE

(7.80) GROUNDWATER ELEVATION, TYPE II WELL (NGVD)

0 20 40 60 80

SCALE IN FEET

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CADD FILE: _____

DRAWN: J. LANGE

DESIGNED: TOM McCRORY

CHECKED: JIM DUNN

CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

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ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINA

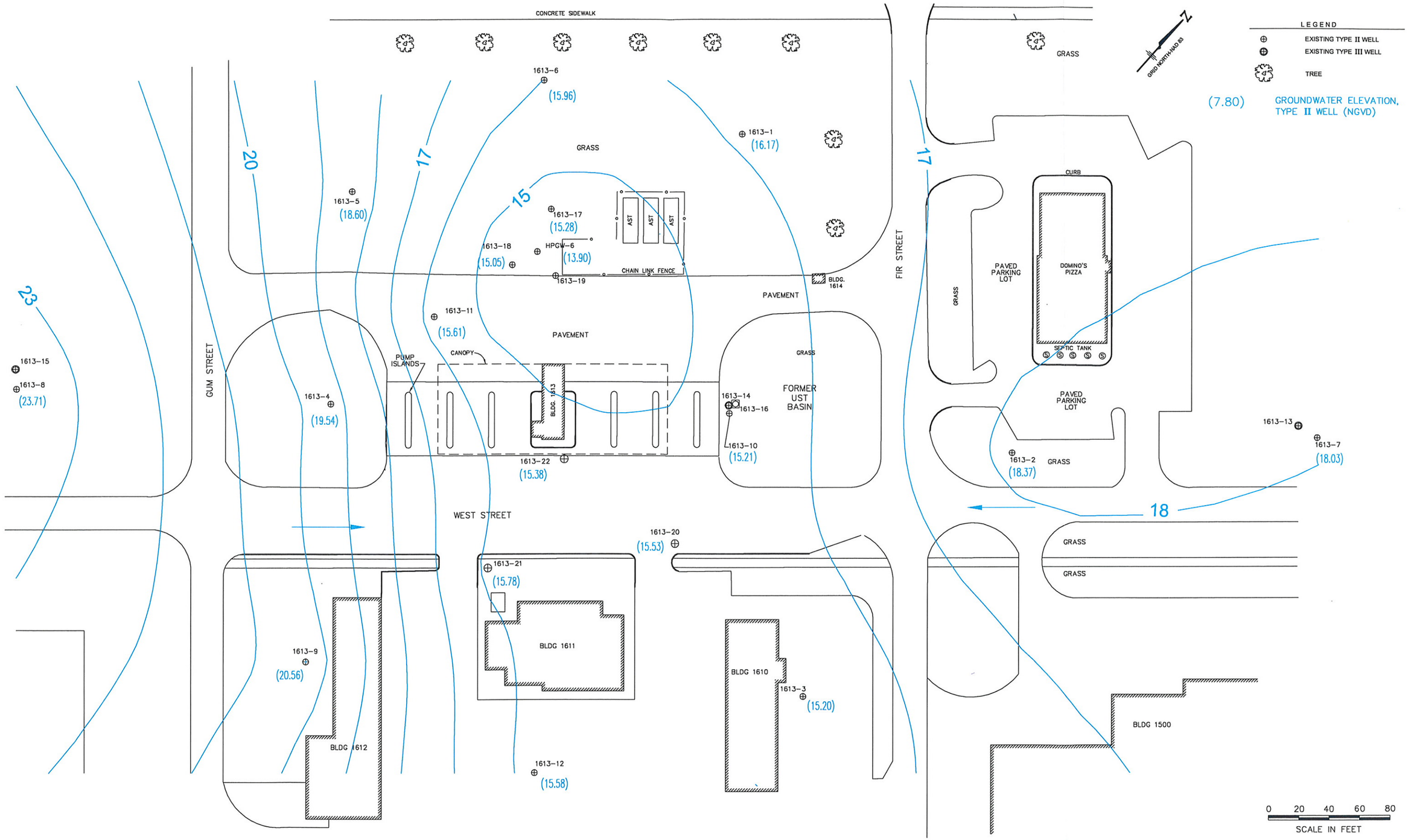
MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 4.1
GROUNDWATER ELEVATION MAP
TYPE II MONITORING WELL
JUNE 2004
BUILDING 1613

DRAWING NUMBER:

SHEET NUMBER:

DATE: 3/28/05



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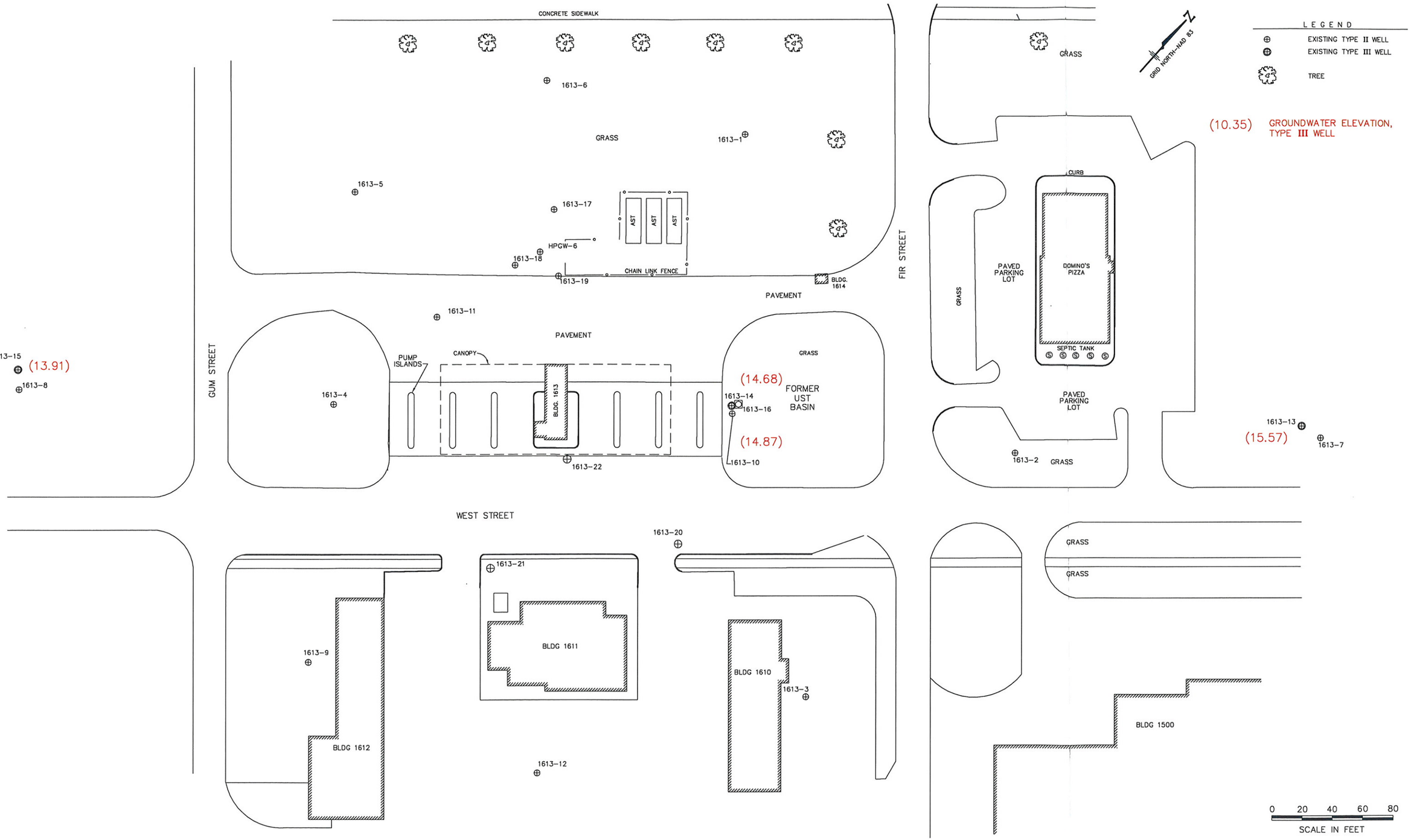
MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 4.2
GROUNDWATER ELEVATION MAP TYPE II MONITORING WELL OCTOBER 2004 BUILDING 1613

DRAWING NUMBER:

SHEET NUMBER:

DATE: 3/28/05



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Shaw Environmental, Inc.

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

CADD FILE: _____
DRAWN: J. LANGE
DESIGNED: TOM McCRORY
CHECKED: JIM DUNN
CHECKED: _____

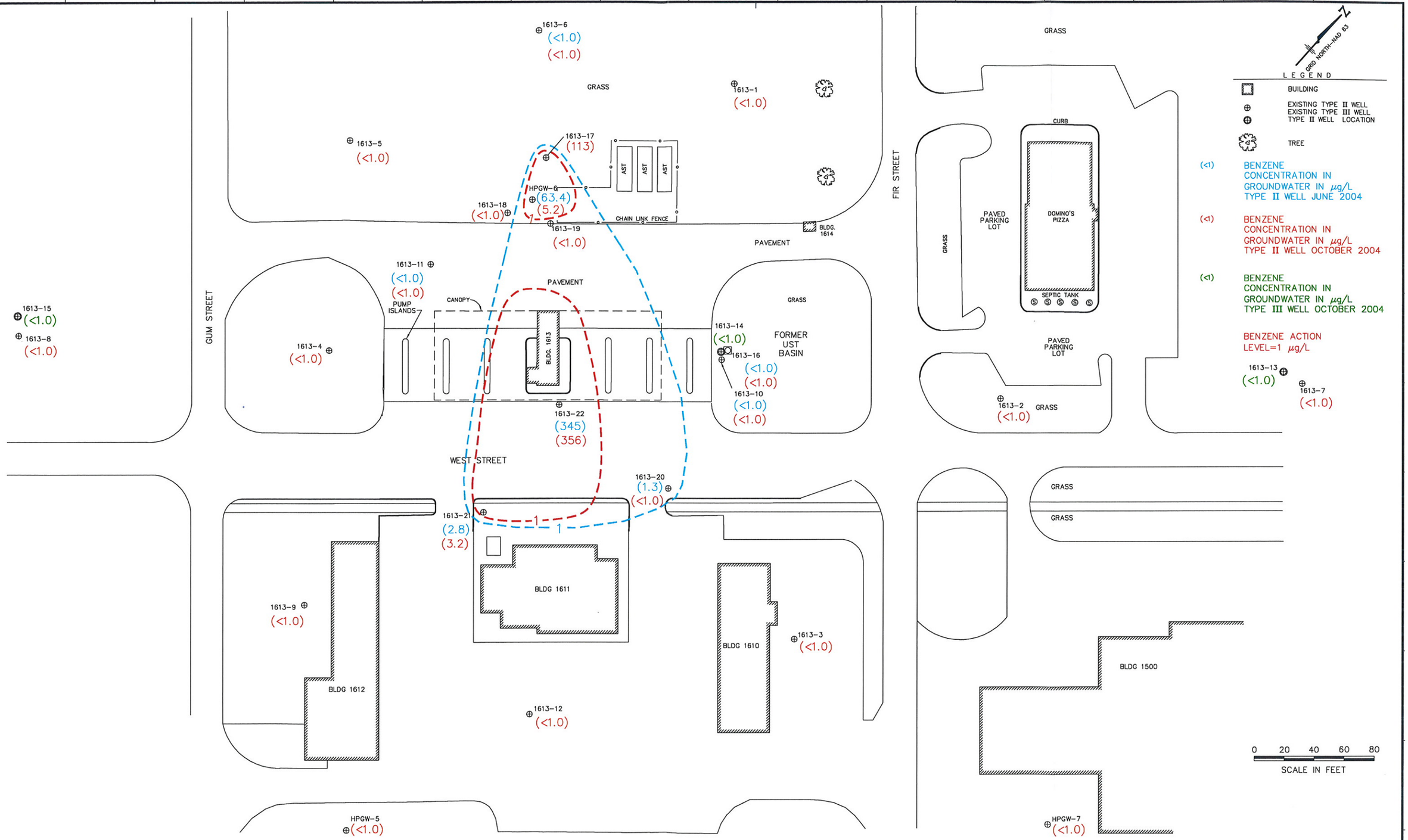
REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NAVAL STATION NORFOLK, VIRGINIA
MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 4.3
GROUNDWATER ELEVATION MAP
TYPE III WELLS
OCTOBER 2004
BUILDING 1613

DRAWING NUMBER:
SHEET NUMBER:
DATE: 3/28/05



Shaw
Shaw Environmental, Inc.

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

CADD FILE: _____
DRAWN: J. LANGE
DESIGNED: B. BROWN
CHECKED: R. KENYON
CHECKED: _____

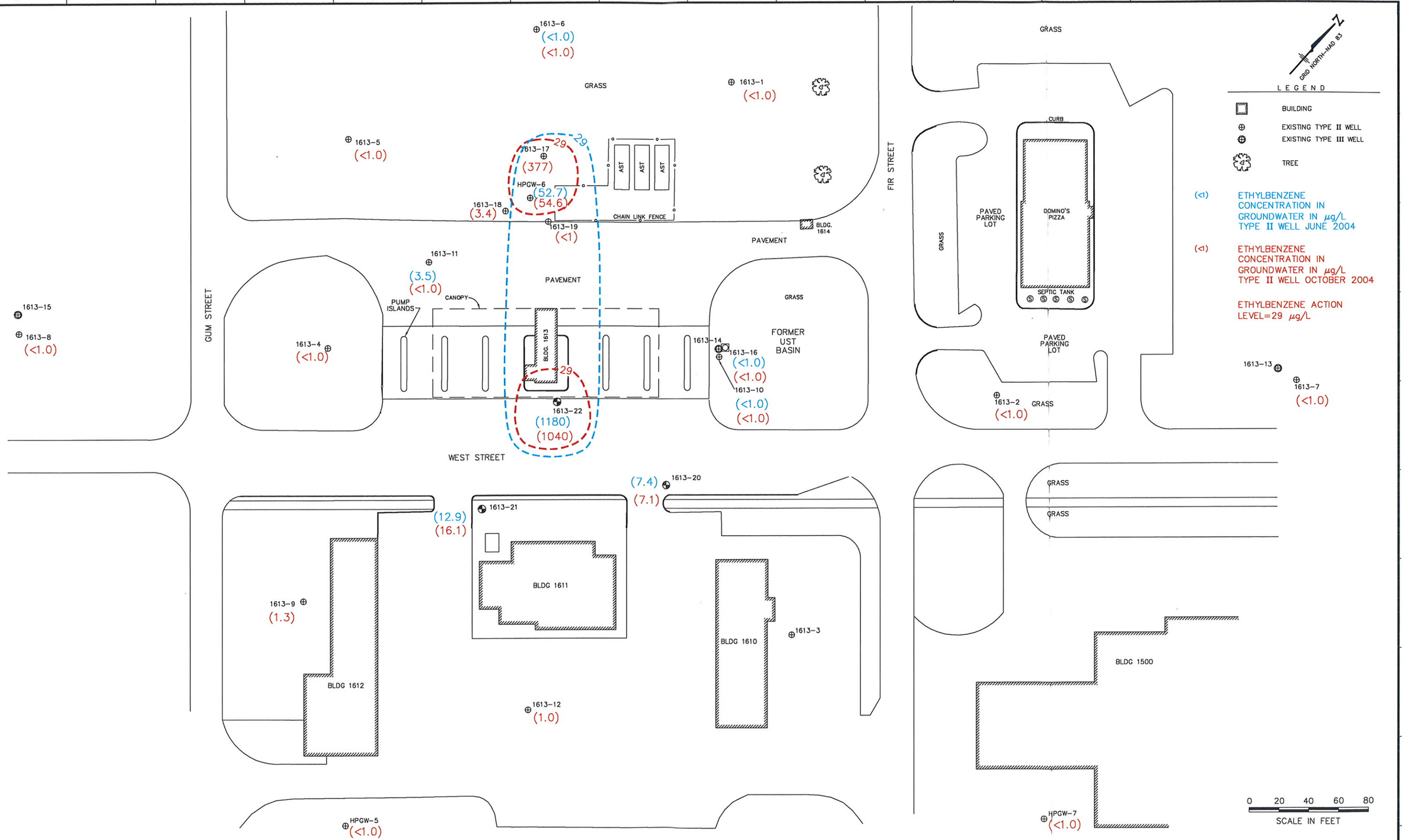
REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

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ATLANTIC DIVISION
NAVAL STATION NORFOLK, VIRGINIA
MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 4.4
DISSOLVED BENZENE IN GROUNDWATER BUILDING 1613

DRAWING NUMBER:
SHEET NUMBER:
DATE: 3/28/05



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

CADD FILE: _____
DRAWN: J. LANGE
DESIGNED: B. BROWN
CHECKED: R. KENYON
CHECKED: _____

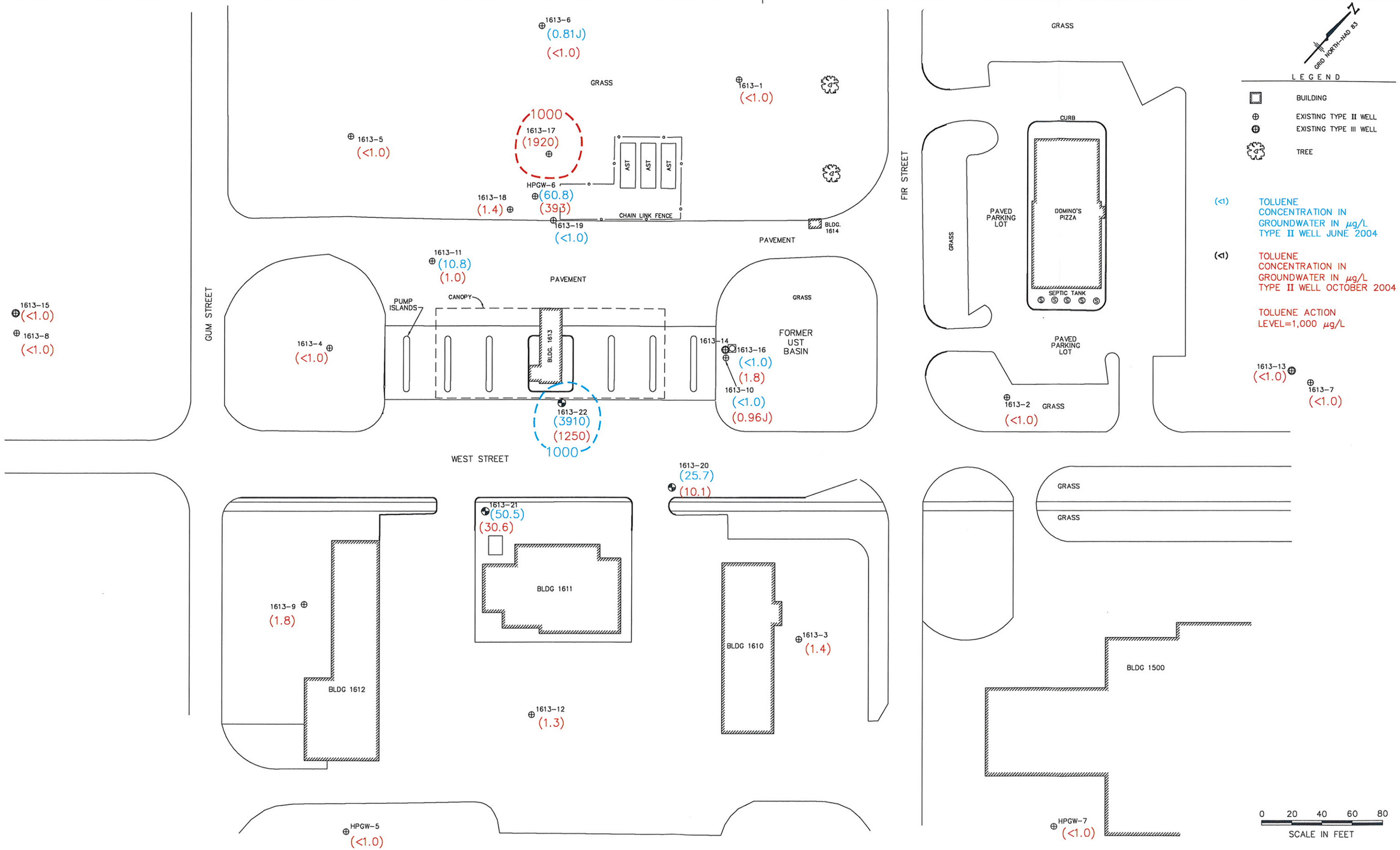
REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	0	WELL LOCATIONS			

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NAVAL STATION NORFOLK, VIRGINA
MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 4.5
DISSOLVED ETHYLBENZENE IN GROUNDWATER TYPE II WELLS BUILDING 1613

DRAWING NUMBER:
SHEET NUMBER:
DATE: 3/28/05



Shaw
Shaw Environmental, Inc.

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

CADD FILE: _____
DRAWN: J. LANGE
DESIGNED: B. BROWN
CHECKED: R. KENYON
CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	0	WELL LOCATIONS			

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

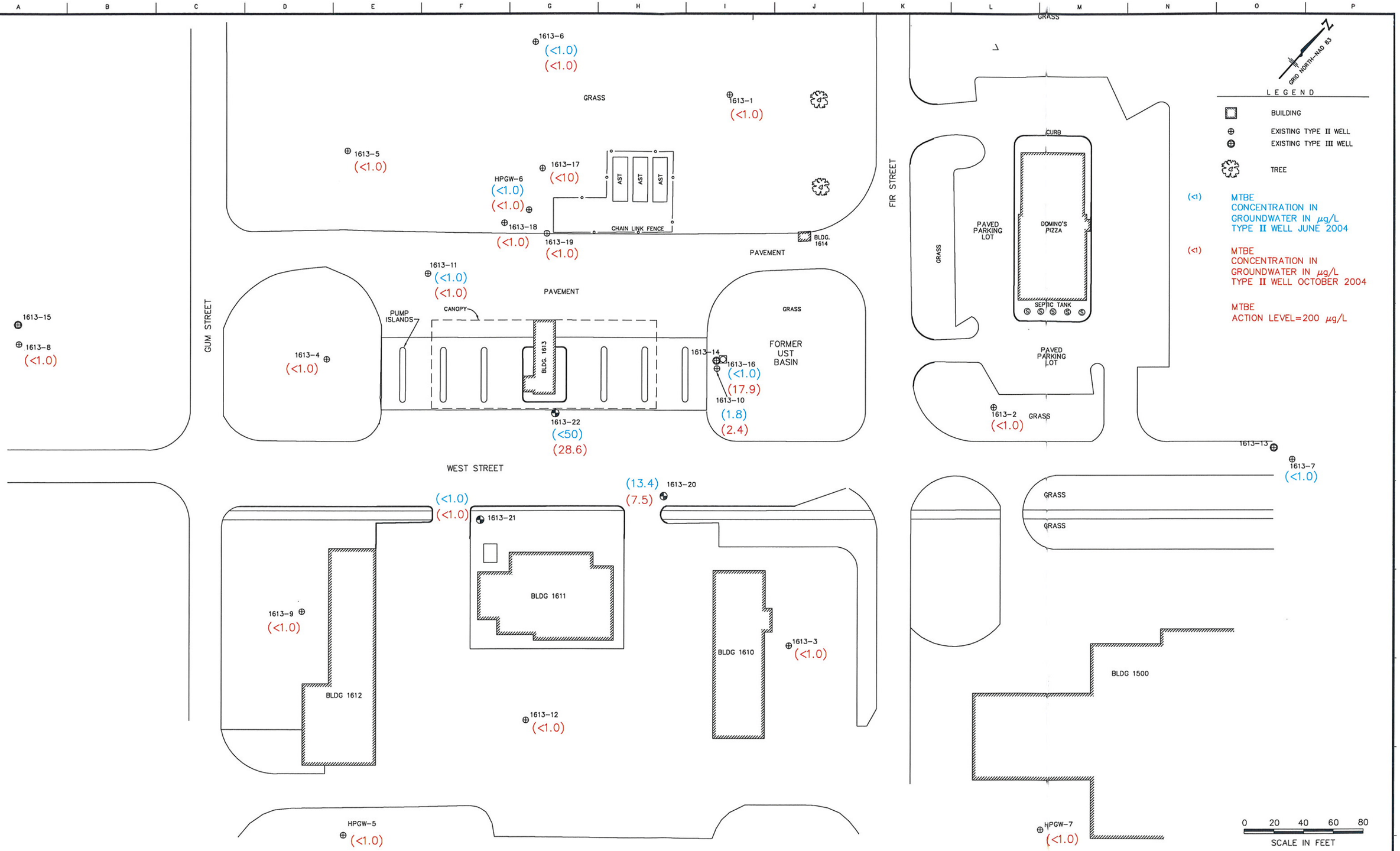
ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINA

MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 4.6
DISSOLVED TOLUENE IN GROUNDWATER TYPE II WELLS BUILDING 1613

DRAWING NUMBER:
SHEET NUMBER:
DATE: 3/28/05



Shaw
Shaw Environmental, Inc.

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

CADD FILE: _____
DRAWN: J. LANGE
DESIGNED: B. BROWN
CHECKED: R. KENYON
CHECKED: _____

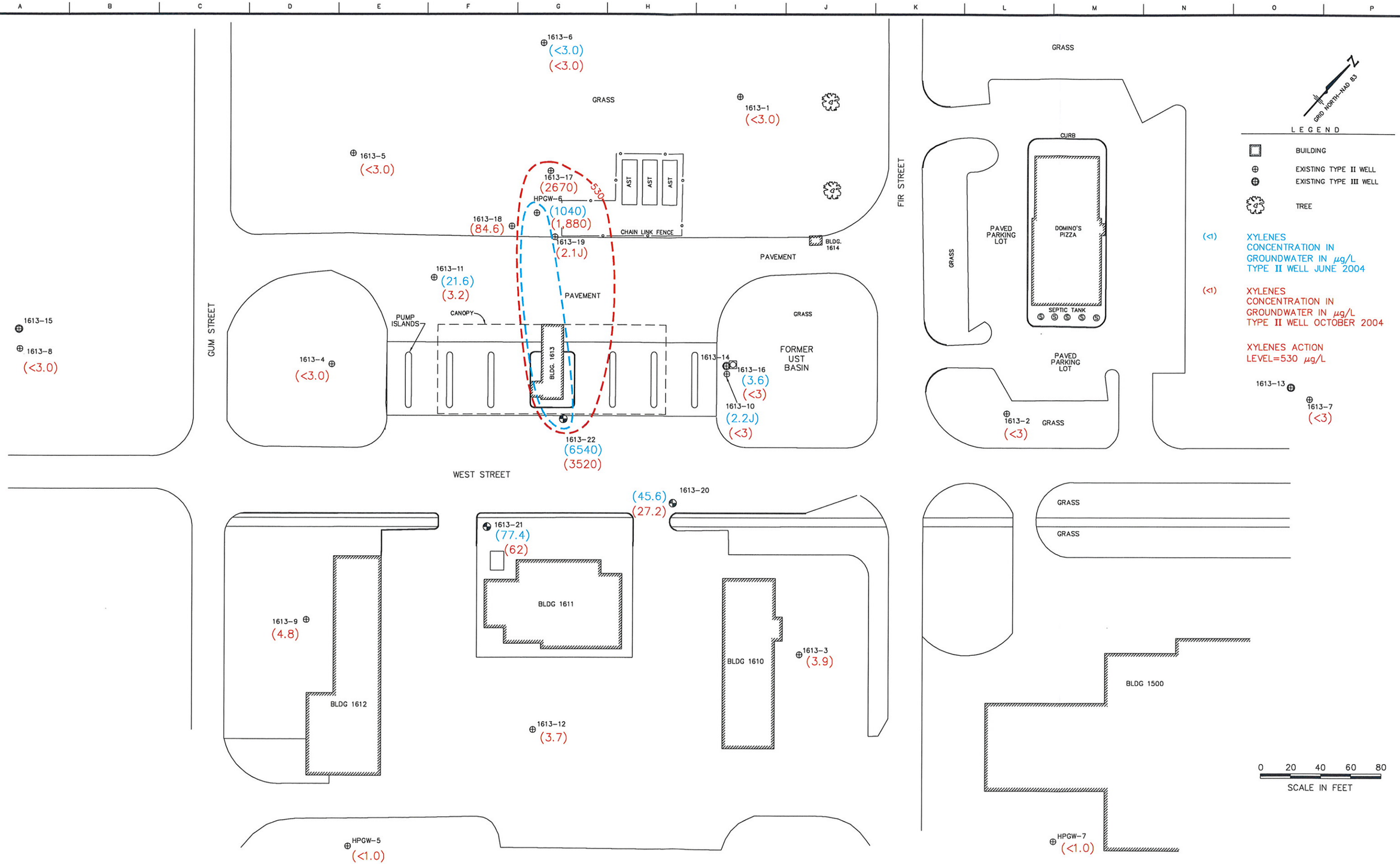
REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NAVAL STATION NORFOLK, VIRGINIA
MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 4.7
DISSOLVED MTBE IN GROUNDWATER TYPE II WELLS BUILDING 1613

DRAWING NUMBER:
SHEET NUMBER:
DATE: 3/28/05



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Shaw Environmental, Inc.

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

CADD FILE: _____
DRAWN: J. LANGE
DESIGNED: B. BROWN
CHECKED: R. KENYON
CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINA

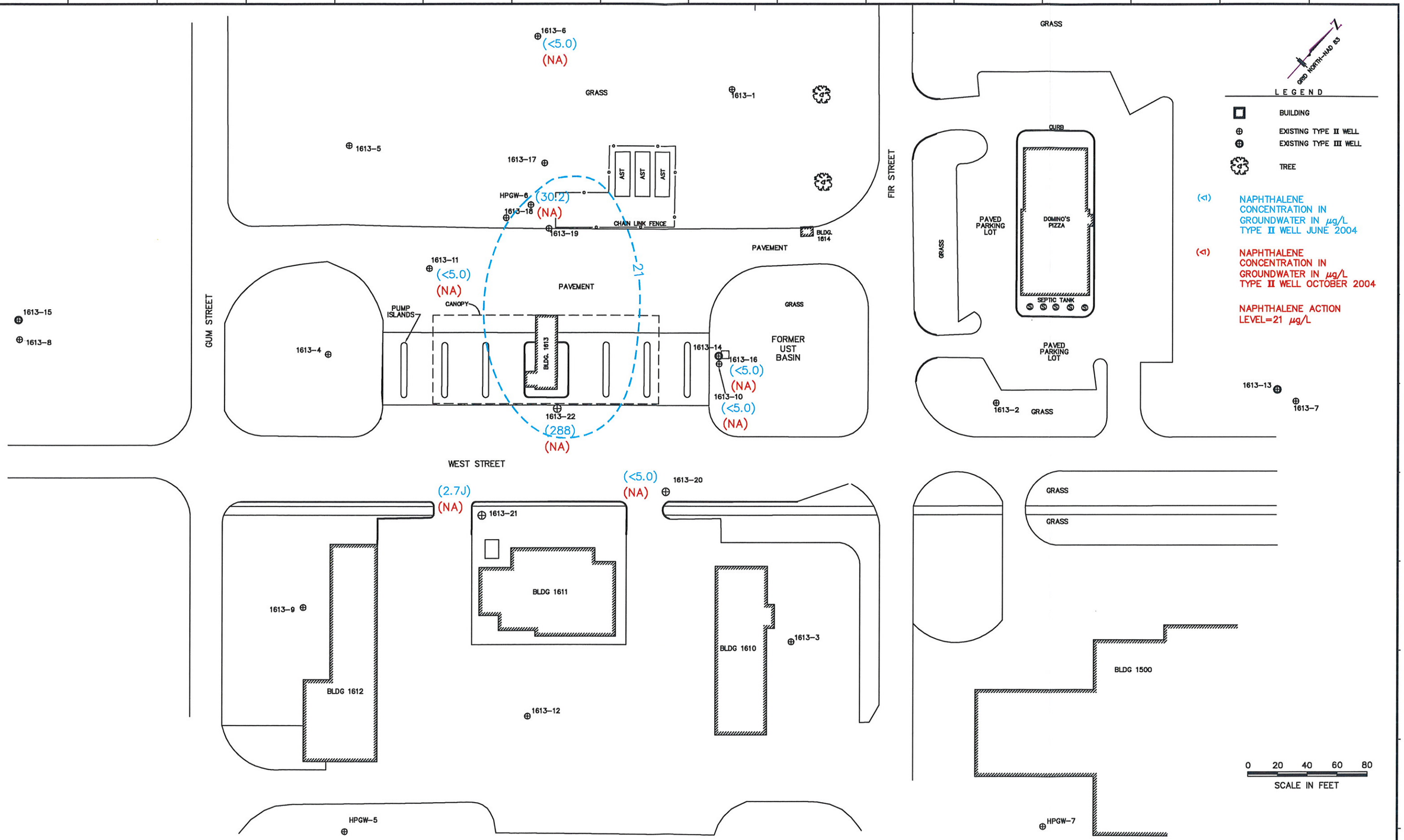
MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 4.8
DISSOLVED XYLENES IN GROUNDWATER TYPE II WELLS BUILDING 1613

DRAWING NUMBER:

SHEET NUMBER:

DATE: 3/28/05



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Shaw Environmental, Inc.

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

CADD FILE: _____
DRAWN: J. LANGE
DESIGNED: TOM McCRORY
CHECKED: JIM DUNN
CHECKED: _____

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION

NAVAL STATION NORFOLK, VIRGINIA

MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 4.9
DISSOLVED NAPHTHALENE IN GROUNDWATER TYPE II MONITORING WELLS BUILDING 1613

DRAWING NUMBER:

SHEET NUMBER:

DATE: 3/28/05

APPENDIX A

WATER SUPPLY WELL ANALYTICAL RESULTS

GROUND WATER WELL SAMPLING REPORT
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
AND
MARINE CORPS AIR STATION, NEW RIVER, JACKSONVILLE, NORTH CAROLINA
CONTRACT N62470-01-B-2202
NAVFAC SPECIFICATION NO. 05-01-2202

Prepared For:

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Facilities Support Contracts Manager
Facilities Support Contracts Branch
Naval Facilities Engineering Command Contracts
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Camp Lejeune, North Carolina 28547-2521

Prepared By:

Geological Resources, Inc.
2301 Crown Point Executive Drive, Suite F
Charlotte, North Carolina 28227

March 30, 2005

W. Scott Ball
Senior Project Scientist

John F. Hess, Jr., P.G.
Defense Contractor Representative

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Chain of Custody Forms
Field Notes

I. SUMMARY

SUMMARY

The purpose of this report is to present results of ground water sampling activities conducted between January 25 and 27, 2005 at the Marine Corps Base, Camp Lejeune and the Marine Corps Air Station, New River, Jacksonville, North Carolina. The sampling was conducted in accordance with the requirements outlined in Contract N62470-01-B-2202, NAVFAC Specification No. 05-01-2202 set forth by the Facilities Support Contracts Branch at Camp Lejeune Marine Corps Base in Jacksonville, North Carolina. A total of 61 ground water wells were visited, 59 of which were sampled. Ground water samples could not be collected from wells HP646 and HP5186 because they were reportedly not in service.

Ground water samples were collected following the sampling protocol outlined in the Quality Assurance/Quality Control Plan maintained by Geological Resources, Inc. Prior to sample collection, each well was purged of an adequate volume of water to obtain a representative ground water sample. Information collected at each wellhead included the well identification number, number of samples collected, date and time of sample collection and the ground water pH of the sample collected (**Table 1**). The ground water pH was measured using a Horiba Water Quality Meter. Prior to pH measurement, the Horiba was properly calibrated according to the manufacturer's specifications. Samples were collected directly from the spigot by the on-site geologist wearing clean, disposable latex gloves. Samples were collected in laboratory supplied glassware and immediately placed on ice in laboratory supplied coolers. At the completion of the sampling event, sample coolers were forwarded to the State-certified laboratory via FedEx.

Laboratory analysis was performed on each of the well samples, trip blanks and method blanks using EPA Method 524.2. No detectable concentrations of Method 524.2 constituents were detected in any of the water samples collected during the January 2005 sampling event. A summary of laboratory analyses of the ground water samples collected on January 25-27, 2005 is presented in **Table 2**. An original copy of the complete laboratory analytical report and chain of custody documentation has also been attached.

II. WELL DATA

TABLE 1
SUMMARY OF FIELD DATA
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
AND
MARINE CORPS AIR STATION, NEW RIVER, JACKSONVILLE, NORTH CAROLINA

Well Number	Date Sampled	Time Sampled	Number of Samples	pH (S.U.)
646	01/25/05	NS[1]	1	NS
647	01/25/05	08:45	1	5.6
705	01/25/05	08:53	1	6.1
703	01/25/05	09:21	1	6.3
704	01/25/05	09:26	1	6.4
644	01/25/05	09:48	1	6.3
643	01/25/05	10:00	1	7.1
700	01/25/05	10:10	1	6.9
701	01/25/05	10:22	1	6.02
5186	01/25/05	NS	1	NS
607	01/25/05	10:54	1	7.3
623	01/25/05	11:16	3	6.5
622	01/25/05	11:33	1	NM2
650	01/25/05	12:45	1	6.7
663	01/25/05	12:50	1	6.7
711	01/25/05	13:02	1	6.6
614	01/25/05	13:13	1	6.8
619	01/25/05	13:24	1	6.8
618	01/25/05	13:31	1	6.7
557	01/25/05	13:52	1	6.9
617	01/25/05	14:25	1	6.9
584	01/25/05	14:38	3	6.8
558	01/25/05	15:10	1	7.0
4009	01/25/05	15:20	1	6.8
654	01/25/05	15:38	1	7.0
629	01/26/05	08:40	1	6.8
621	01/26/05	08:45	1	7.4
620	01/26/05	08:54	1	7.3
709	01/26/05	09:15	1	7.4
710	01/26/05	09:26	1	6.9
641	01/26/05	09:35	1	7.2
611	01/26/05	10:02	3	7.1

TABLE 1 (cont'd.)
SUMMARY OF FIELD DATA
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
AND
MARINE CORPS AIR STATION, NEW RIVER, JACKSONVILLE, NORTH CAROLINA

Well Number	Date Sampled	Time Sampled	Number of Samples	pH (S.U.)
612	1/26/2005	10:07	1	NM
652	01/26/05	10:22	1	7.3
642	01/26/05	10:30	1	7.2
661	01/26/05	10:50	1	7.2
628	01/26/05	11:03	1	7.5
606	01/26/05	11:11	1	6.9
640	01/26/05	13:08	1	7.5
632	01/26/05	13:12	1	7.1
595	01/26/05	13:19	1	7.1
596	01/26/05	13:29	3	7.2
585	01/26/05	13:42	1	7.3
BA45	01/26/05	14:02	1	7.1
BA190	01/26/05	14:09	1	7.1
BB280	01/26/05	14:40	1	7.3
BB218	01/26/05	15:06	1	7.3
BB281	01/26/05	15:14	1	7.1
BB221	01/27/05	08:53	1	7.1
BB220	01/27/05	09:00	1	7.2
BB44	01/27/05	09:06	1	7.3
BB47	01/27/05	09:23	3	7.0
VL105	01/27/05	10:15	1	6.8
VL104	01/27/05	10:26	1	7.1
VL103	01/27/05	10:44	1	7.0
VL101	01/27/05	10:51	1	7.2
VL102	01/27/05	11:03	1	7.1
AS190	01/27/05	11:41	1	7.3
AS191	01/27/05	11:46	1	7.2
AS4150	01/27/05	13:03	1	7.6
AS5001	01/27/05	13:08	1	7.6
TC1253	01/27/05	13:28	3	6.9

Notes:
1. Not sampled; no power to well or pump has been dismantled.
2. Not measured.

TABLE 2
SUMMARY OF LABORATORY ANALYSES[1]
GROUND WATER SAMPLES
JANUARY 25-27, 2005
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
AND
MARINE CORPS AIR STATION, NEW RIVER, JACKSONVILLE, NORTH CAROLINA

	<0.50000[2]	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000
	<0.50000

TABLE 2 (cont'd.)
SUMMARY OF LABORATORY ANALYSES
GROUND WATER SAMPLES
JANUARY 25-27, 2005
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
AND
MARINE CORPS AIR STATION, NEW RIVER JACKSONVILLE, NORTH CAROLINA

	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000

TABLE 2 (cont'd.)
SUMMARY OF LABORATORY ANALYSES
GROUND WATER SAMPLES
JANUARY 25-27, 2005
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
AND
MARINE CORPS AIR STATION, NEW RIVER, JACKSONVILLE, NORTH CAROLINA

	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000

TABLE 2 (cont'd.)
SUMMARY OF LABORATORY ANALYSES
GROUND WATER SAMPLES
JANUARY 25-27, 2005
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
AND
MARINE CORPS AIR STATION, NEW RIVER, JACKSONVILLE, NORTH CAROLINA

	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000

TABLE 2 (cont'd.)
SUMMARY OF LABORATORY ANALYSES
GROUND WATER SAMPLES
JANUARY 25-27, 2005
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
AND
MARINE CORPS AIR STATION, NEW RIVER, JACKSONVILLE, NORTH CAROLINA

	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000

TABLE 2 (cont'd.)
SUMMARY OF LABORATORY ANALYSES
GROUND WATER SAMPLES
JANUARY 25-27, 2005
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA
AND
MARINE CORPS AIR STATION, NEW RIVER, JACKSONVILLE, NORTH CAROLINA

[redacted]	<0.50000	<0.50000	<0.50000	<0.50000	<0.50000

APPENDIX B

GROUNDWATER SAMPLE COLLECTION FIELD LOGS

Shaw
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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 844098
PROJECT NAME: Bldg 1613
WELL NO. MW-11
SAMPLE NO. UST1613-MW11

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/24/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1600
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.90	5.55	5.43	5.43			(STD)
Specific Conductivity	0.519	0.491	0.494	0.467			(m S/m)
Turbidity (Turb)	186.5	181.5	229.5	94.2			(NTU)
Dissolved Oxygen (DO)	7.11	6.23	2.3	2.5			(g/l)
Temperature (Temp)	24.88	24.59	24.08	23.83			(°C)
ORP	185.6	199.7	206.8	213.3			

Depth to Bottom	241.32	(In) (Minus)	Depth to Water	125.52	(In)	=	115.8	HT (in)
Depth to Bottom	20.11	(Ft) (Minus)	Depth to Water	10.46	(Ft)	=	9.65	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			115.8	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 602	UST1613-	3 X 40 ml	HCL
PAH 610	UST1613-	2 X 1 L Amber	4 deg. C.

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 844098
PROJECT NAME: Bldg 1613
WELL NO.: MW-10
SAMPLE NO.UST1613-MW10 / 10D

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/24/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1800/1805
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH -	7.59						(STD)
Specific Conductivity	0,152						(m S/m)
Turbidity (Turb)	130.8						(NTU)
Dissolved Oxygen (DO)	7,91						(g/l)
Temperature (Temp)	21.77						(°C)
ORP	133.8						

Depth to Bottom	243.0	(In) (Minus)	Depth to Water	170.52	(In)	=	72.48	HT (in)
Depth to Bottom	20.25	(Ft) (Minus)	Depth to Water	14.21	(Ft)	=	6.04	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			72.48	1	3.14	228	.0043	1.0		2.9	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	UST1613-	3 X 40 ml	HCL
PAH 610	UST1613-	2 X 1 L Amber	4 deg. C.

COMMENTS: Duplicate Sample Taken
Well Purging Dry

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 844098
PROJECT NAME: Bldg 1613
WELL NO. MW-6
SAMPLE NO. UST1613-MW06

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/24/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1000
PHONE: 910-451-2390	WEATHER: Cloudy 70°-80° F.	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.49	4.55					(STD)
Specific Conductivity	0.055	0.061					(m S/m)
Turbidity (Turb)	804.7	1523					(NTU)
Dissolved Oxygen (DO)	7.4	6.7					(g/l)
Temperature (Temp)	20.2	20.7					(°C)
ORP	255.4	334.1					

Depth to Bottom	264.6	(In) (Minus)	Depth to Water	159.36	(In)	=	105.24	HT (in)
Depth to Bottom	22.05	(Ft) (Minus)	Depth to Water	13.28	(Ft)	=	8.77	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			105.24	1	3.14	330	.0043	1.4		4.3	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	UST1613-	3 X 40 ml	HCL
PAH 610	UST1613-	2 X 1 L Amber	4 deg. C.

COMMENTS: Well is silty (well purges Dry.) only 2x Vol. Purged Sample Taken

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 844098
PROJECT NAME: Bldg 1613
WELL NO. MW-20
SAMPLE NO.UST1613-MW20

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/24/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1500
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.37	6.39	6.34	6.33			(STD)
Specific Conductivity	0.780	0.809	0.841	0.840			(m S/m)
Turbidity (Turb)	803.8	820.7	967.4	1346.5			(NTU)
Dissolved Oxygen (DO)	9.28	8.93	6.74	6.33			(g/l)
Temperature (Temp)	29.30	28.84	27.89	28.04			(°C)
ORP	199.5	202.5	213.9	216.0			

Depth to Bottom	202.44	(In) (Minus)	Depth to Water	135.24	(In)	=	67.20	HT (in)
Depth to Bottom	16.87	(Ft) (Minus)	Depth to Water	11.27	(Ft)	=	5.6	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			67.20	1	3.14	211	.0043	0.9		2.7	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	UST1613-	3 X 40 ml	HCL
PAH 610	UST1613-	2 X 1 L Amber	4 deg. C.

COMMENTS: Well next to underground steam line

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 844098	
PROJECT NAME: Bldg 1613	
WELL NO. MW-21	
SAMPLE NO.UST1613-MW21	
PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	
PID:	Sampling Device: Bailer

DATE 6/24/04
TIME 1480
Well Locked: [X] Yes
☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.56	5.67	5.54	5.66			(STD)
Specific Conductivity	0.169	0.166	0.187	0.244			(m S/m)
Turbidity (Turb)	113.2	229.2	392.3	122.0			(NTU)
Dissolved Oxygen (DO)	4.04	5.64	5.53	5.84			(g/l)
Temperature (Temp)	30.13	30.12	29.99	29.62			(°C)
ORP	146.4	156.9	162.8	165.4			

Depth to Bottom	219.72	(In) (Minus)	Depth to Water	135.48	(In)	=	84.24	HT (in)
Depth to Bottom	18.31	(Ft) (Minus)	Depth to Water	11.29	(Ft)	=	7.02	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			84.24	1	3.14	265	.0043	1.1		3.4	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	UST1613-	3 X 40 ml	HCL
PAH 610	UST1613-	2 X 1 L Amber	4 deg. C.

COMMENTS: Well is next to underground steam line

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw Environmental & Infrastructure, Inc.	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 844098
		PROJECT NAME: Bldg 1613
		WELL NO. HPGW-6
		SAMPLE NO.UST1613-HPGW06

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/24/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1100
PHONE: 910-451-2390	WEATHER: cloud, 75-80°F.	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	-1	2	3	4			
PH -							(STD)
Specific Conductivity							(m S/m)
Turbidity (Turb)							(NTU)
Dissolved Oxygen (DO)							(g/l)
Temperature (Temp)							(°C)
ORP							

Depth to Bottom	302.76	(In) (Minus)	Depth to Water	157.44	(In)	=	145.32	HT (in)
Depth to Bottom	25.23	(Ft) (Minus)	Depth to Water	13.12	(Ft)	=	12.11	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			145.32	1	3.14	456	.0043	2.0		5.9	4.1
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	UST1613-	3 X 40 ml	HCL
PAH 610	UST1613-	2 X 1 L Amber	4 deg. C.

COMMENTS: Well extremly silty. Could not Purge with IN well pump, could not take Field Readings Hand Baled well.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 844098
PROJECT NAME: Bldg 1613
WELL NO. MW-22
SAMPLE NO.UST1613-MW22

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/24/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1300
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.20	5.04					(STD)
Specific Conductivity	0.414	0.405					(m S/m)
Turbidity (Turb)	298.5	124.5					(NTU)
Dissolved Oxygen (DO)	2.04	1.54					(g/l)
Temperature (Temp)	25.02	5.05					(°C)
ORP	256.6	120.9					

Depth to Bottom	200.52	(In) (Minus)	Depth to Water	130.56	(In)	=	69.96	HT (in)
Depth to Bottom	16.71	(Ft) (Minus)	Depth to Water	10.88	(Ft)	=	5.84	HT (ft)

d = 2
r = 1
d/2 = 1

MEASUREMENTS (IN INCHES)
Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			69.96	1	3.14	220	.0043	0.9		2.8	#2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	UST1613-	3 X 40 ml	HCL
PAH 610	UST1613-	2.X 1 L Amber	4 deg. C.

COMMENTS: Purge Dry 2x vol.

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 844098	
PROJECT NAME: Bldg 1613	
WELL NO. MW-16	
SAMPLE NO.UST1613-MW16	
PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer ☐ No

DATE 6/24/04

TIME 1700

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.74	6.87	6.92	6.94			(STD)
Specific Conductivity	0.545	0.544	0.543	0.546			(m S/m)
Turbidity (Turb)	1544	6.0	1.7	0.1			(NTU)
Dissolved Oxygen (DO)	8.0	2.5	2.3	2.2			(g/l)
Temperature (Temp)	22.14	22.11	22.08	22.06			(°C)
ORP	176.2	110.8	81.7	67.0			

Depth to Bottom	598.8	(In) (Minus)	Depth to Water	165.48	(In)	=	433.32	HT (in)
Depth to Bottom	49.9	(Ft) (Minus)	Depth to Water	13.79	(Ft)	=	36.11	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			433.32	1	3.14	1361	.0043	5.9		17.6	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	UST1613-	3 X 40 ml	HCL
PAH 610	UST1613-	2 X 1 L Amber	4 deg. C.

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-1
SAMPLE NO. UST1613-MW01

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 9/30/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1400
PHONE: 910-451-2390	WEATHER: Partly Cloudy, 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	7.06	6.26					(STD)
Specific Conductivity	0.170	0.166					(m S/m)
Turbidity (Turb)	1558.8	1535.2					(NTU)
Dissolved Oxygen (DO)	16.86	16.10					(g/l)
Temperature (Temp)	23.44	23.19					(°C)
ORP	147.8	209.4					

Depth to Bottom	246.36	(In) (Minus)	Depth to Water	144.60	(In)	=	8.48	HT (in)
Depth to Bottom	20.53	(Ft) (Minus)	Depth to Water	12.05	(Ft)	=	8.48	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			8.48	1	3.14	320	.0043	1.4		4.1	2.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS: Very silty well, Purged Dry Vol x 2

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-2
SAMPLE NO. UST1613-MW02

PROJECT LOCATION: Camp Lejeune | LOGGER: Mark Martin | DATE 9/30/04
PROJECT CONTACT: Mark Martin | SAMPLER: Mark Martin | TIME 1145
PHONE: 910-451-2390 | WEATHER: PC 70's.
LEL: | Well Locked: [X] Yes
PID: | Sampling Device: Bailer | ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.26	6.31	6.10	6.05			(STD)
Specific Conductivity	0.285	0.319	0.261	0.254			(m S/m)
Turbidity (Turb)	1564.4	792.9	102.2	7.7			(NTU)
Dissolved Oxygen (DO)	11.70	10.79	5.00	4.56			(g/l)
Temperature (Temp)	24.01	24.24	23.96	23.85			(°C)
ORP	91.2	127.5	150.9	142.4			

Depth to Bottom	270.36	(In) (Minus)	Depth to Water	123.84	(In)	=	146.52	HT (in)
Depth to Bottom	22.53	(Ft) (Minus)	Depth to Water	10.32	(Ft)	=	12.21	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			146.52	1	3.14	460	.0043	2.0		5.9	10
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: | DRUM: ☐ | DRUM# | SITE TREATMENT: [X]
OTHER: ☐

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-3
SAMPLE NO.UST1613-MW03

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/6/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1200
PHONE: 910-451-2390	WEATHER: Partly Cloudy 70-80.	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.12	4.08	4.06	4.06			(STD)
Specific Conductivity	0.523	0.491	0.503	0.375			(m S/m)
Turbidity (Turb)	385.4	263.4	241.8	214.8			(NTU)
Dissolved Oxygen (DO)	4.36	4.29	4.87	4.40			(g/l)
Temperature (Temp)	24.96	24.91	25.17	25.74			(°C)
ORP	368.9	382.2	385.6	362.5			

Depth to Bottom	175.56	(In) (Minus)	Depth to Water	123.20	(In)	=	51.96	HT (in)
Depth to Bottom	14.63	(Ft) (Minus)	Depth to Water	10.3	(Ft)	=	4.33	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			51.96	1	3.14	163	.0043	0.7		2.1	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS: Well Recently purged By CH2M Hill within 1/2 Hour

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385	
PROJECT NAME: Bldg 1613	
WELL NO. MW-4	
SAMPLE NO. UST1613-MW04	
PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER:
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer [ ] No

DATE 10/1/04
TIME 1430

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.37	5.57	5.53	5.53			(STD)
Specific Conductivity	0.245	0.327	0.313	0.313			(m S/m)
Turbidity (Turb)	168.9	70.8	147.9	147.7			(NTU)
Dissolved Oxygen (DO)	0.86	0.69	0.75	0.75			(g/l)
Temperature (Temp)	24.97	24.82	24.76	24.76			(°C)
ORP	39.4	10.4	-2.2	-2.2			

Depth to Bottom	209.88	(In) (Minus)	Depth to Water	80.88	(In)	=	129.00	HT (in)
Depth to Bottom	17.49	(Ft) (Minus)	Depth to Water	6.74	(Ft)	=	10.75	HT (ft)

d = 2
r = 1
d/2 = 1

MEASUREMENTS (IN INCHES)
Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			129.0	1	3.14	405	.0043	1.7		5.2	6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: [ ] DRUM# SITE TREATMENT: [X]
OTHER: [ ]

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-5
SAMPLE NO. UST1613-MW05

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 9/30/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1600
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.56	5.53	5.33				(STD)
Specific Conductivity	0.175	0.185	0.158				(m S/m)
Turbidity (Turb)	1572.4	880.2	533.0				(NTU)
Dissolved Oxygen (DO)	3.88	2.33	2.19				(g/l)
Temperature (Temp)	24.64	25.02	24.80				(°C)
ORP	124.3	139.4	56.4				

Depth to Bottom	208.68	(In) (Minus)	Depth to Water	75.48	(In)	=	133.20	HT (in)
Depth to Bottom	17.39	(Ft) (Minus)	Depth to Water	6.29	(Ft)	=	11.1	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			133.2	1	3.14	418	.0043	1.8		5.4	6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS: Purge Dry 3# Vol.

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-6
SAMPLE NO. UST1613-MW06

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 9/30/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1500
PHONE: 910-451-2390	WEATHER: Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.37	4.87	4.52	4.49			(STD)
Specific Conductivity	0.074	0.063	0.062	0.062			(m S/m)
Turbidity (Turb)	823.0	619.7	789.4	24.5			(NTU)
Dissolved Oxygen (DO)	17.80	17.92	17.79	17.83			(g/l)
Temperature (Temp)	~~6.37~~ 22.86	22.20	22.24	22.70			(°C)
ORP	268.0	353.8	371.7	376.4			

Depth to Bottom	266.16	(In) (Minus)	Depth to Water	141.72	(In)	= 124.44	HT (in)
Depth to Bottom	22.18	(Ft) (Minus)	Depth to Water	11.81	(Ft)	= 10.37	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			124.44	1	3.14	391	.0043	1.7		5	6
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-7
SAMPLE NO. UST1613-MW07

PROJECT LOCATION: Camp Lejeune | LOGGER: Mark Martin | DATE 9/30/07
PROJECT CONTACT: Mark Martin | SAMPLER: Mark Martin | TIME 1040
PHONE: 910-451-2390 | WEATHER: PC. 70's
LEL: | Well Locked: [X] Yes
PID: | Sampling Device: Bailer | ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.96	5.14	4.56	4.48			(STD)
Specific Conductivity	0.107	0.101	0.108	0.108			(m S/m)
Turbidity (Turb)	1552.7	485.4	26.2	6.8			(NTU)
Dissolved Oxygen (DO)	7.57	9.29	8.36	8.25			(g/l)
Temperature (Temp)	23.13	23.60	23.79	23.92			(°C)
ORP	229.6	277.5	335.2	352.1			

Depth to Bottom	238.92	(In) (Minus)	Depth to Water	87.72	(In)	=	151.20	HT (in)
Depth to Bottom	19.91	(Ft) (Minus)	Depth to Water	7.31	(Ft)	=	12.6	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			151.20	1	3.14	475	.0043	2.0		6.1	10
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: | DRUM: ☐ | DRUM# | SITE TREATMENT: [X]
OTHER: ☐

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-8
SAMPLE NO. UST1613-MW08

PROJECT LOCATION: Camp Lejeune | LOGGER: Mark Martin | DATE 10/1/04
PROJECT CONTACT: Mark Martin | SAMPLER: Mark Martin | TIME 1500
PHONE: 910-451-2390 | WEATHER:
LEL: | Well Locked: [X] Yes
PID: | Sampling Device: Bailer | ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	~~5.53~~	4.58	4.39	4.42			(STD)
Specific Conductivity	~~0.313~~	0.206	0.197	0.204			(m S/m)
Turbidity (Turb)	~~147~~	543.1	214.6	194.4			(NTU)
Dissolved Oxygen (DO)		2.41	1.25	4.55			(g/l)
Temperature (Temp)		25.91	25.66	25.85			(°C)
ORP		237.8	248.9	253.0			

Depth to Bottom	228.36	(In) (Minus)	Depth to Water	65.28	(In)	=	163.08	HT (in)
Depth to Bottom	19.03	(Ft) (Minus)	Depth to Water	5.44	(Ft)	=	13.59	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together
d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			163.08	1	3.14	512	.0043	2.2		6.6	10
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS: Inst. prob. missed 1st vol. Field Readings

PURGE DISCHARGED: | DRUM: ☐ | DRUM# | SITE TREATMENT: [X]
OTHER: ☐

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-09
SAMPLE NO. UST1613-MW09

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/6/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1030
PHONE: 910-451-2390	WEATHER: Cloudy, 70's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.44	5.53	5.53	5.52			(STD)
Specific Conductivity	0.443	0.452	0.475	0.478			(m S/m)
Turbidity (Turb)	1593.5	1597.2	207.8	122.0			(NTU)
Dissolved Oxygen (DO)	2.86	0.43	0.57	0.31			(g/l)
Temperature (Temp)	26.75	27.00	27.27	27.32			(°C)
ORP	56.2	41.3	30.5	23.1			

Depth to Bottom	169.08	(In) (Minus)	Depth to Water	63.56	(In)	=	105.12	HT (in)
Depth to Bottom	14.09	(Ft) (Minus)	Depth to Water	5.33	(Ft)	=	8.76	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			105.12	1	3.14	330	.0043	1.4		4.3	10
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw
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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-10
SAMPLE NO.UST1613- MW10

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/8/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1300
PHONE: 910-451-2390	WEATHER: Sunny 70's M.	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.37	4.85	4.78	4.78			(STD)
Specific Conductivity	0.123	0.123	0.121	0.120			(m S/m)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	5.84	5.43	3.41	3.15			(g/l)
Temperature (Temp)	25.37	25.74	25.32	25.19			(°C)
ORP	244.9	274.6	288.3	287.1			

Depth to Bottom	243.00	(In) (Minus)	Depth to Water	161.52	(In)	=	81.48	HT (in)
Depth to Bottom	20.25	(Ft) (Minus)	Depth to Water	13.46	(Ft)	=	6.79	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			81.48	1	3.14	256	.0043	1.1		3.3	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

Shaw
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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-11
SAMPLE NO.UST1613- MW11

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/6/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1445
PHONE: 910-451-2390	WEATHER: Partly Cloudy 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.27	5.36	5.43	5.39			(STD)
Specific Conductivity	0.534	0.511	0.491	0.470			(m S/m)
Turbidity (Turb)	19.2	5.4	7.7	0.48			(NTU)
Dissolved Oxygen (DO)	2.25	0.49	0.42	0.48			(g/l)
Temperature (Temp)	27.18	27.25	27.26	27.27			(°C)
ORP	222.9	200.2	187.0	204.4			

Depth to Bottom	241.68	(In) (Minus)	Depth to Water	115.56	(In)	=	126.12	HT (in)
Depth to Bottom	20.14	(Ft) (Minus)	Depth to Water	9.63	(Ft)	=	10.51	HT (ft)

d = 2
r = 1
d/2 = 1

MEASUREMENTS (IN INCHES)
Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			126.12	1	3.14	396	.0043	1.7		5.1	10
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:
Duplicate Sample Taken

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-12
SAMPLE NO.UST1613-MW12

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/6/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1115
PHONE: 910-451-2390	WEATHER: Partly Cloudy Hi 70's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	4.35	4.02	3.96	3.94			(STD)
Specific Conductivity	0.747	0.711	0.705	0.685			(m S/m)
Turbidity (Turb)	1585.5	54.4	29.0	12.1			(NTU)
Dissolved Oxygen (DO)	5.94	4.83	4.14	3.67			(g/l)
Temperature (Temp)	25.80	26.04	26.05	26.07			(°C)
ORP	250.0	375.2	391.1	402.5			

Depth to Bottom	237.36	(In) (Minus)	Depth to Water	130.44	(In)	=	106.92	HT (in)
Depth to Bottom	19.78	(Ft) (Minus)	Depth to Water	10.87	(Ft)	=	8.91	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			106.92	1	3.14	336	.0043	1.4		4.3	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385	
PROJECT NAME: Bldg 1613	
WELL NO. MW-13	
SAMPLE NO.UST1613-MW13	
PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: Partly Cloudy 70's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 9/30/04

TIME 0930

☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.87	6.76	6.76	6.77			(STD)
Specific Conductivity	0.640	0.636	0.636	0.636			(m S/m)
Turbidity (Turb)	999	9.8	3.1	1.4			(NTU)
Dissolved Oxygen (DO)	2.07	0.62	0.53	0.52			(g/l)
Temperature (Temp)	21.70	21.74	21.86	21.87			(°C)
ORP	-2.3	-60.6	-78.4	-82.7			

Depth to Bottom	618.12	(In) (Minus)	Depth to Water	117.84	(In)	=	500.28	HT (in)
Depth to Bottom	51.51	(Ft) (Minus)	Depth to Water	9.82	(Ft)	=	41.69	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			500.28	1	3.14	157	.0043	6.75		20.6	25
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]

OTHER: ☐

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Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-14
SAMPLE NO. UST1613-MW14

PROJECT LOCATION: Camp Lejeune | LOGGER: Mark Martin | DATE 10/8/04
PROJECT CONTACT: Mark Martin | SAMPLER: Mark Martin | TIME 1500
PHONE: 910-451-2390 | WEATHER: Sunny 80's (cool)
LEL: | Well Locked: [X] Yes
PID: | Sampling Device: Bailer | ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.83	6.86	6.85	6.85			(STD)
Specific Conductivity	0.542	0.547	0.548	0.548			(m S/m)
Turbidity (Turb)	224.8	0	0	0			(NTU)
Dissolved Oxygen (DO)	1.09	0.40	0.37	0.31			(g/l)
Temperature (Temp)	22.18	21.89	22.04	22.12			(°C)
ORP	70.4	27.4	12.0	10.6			

Depth to Bottom	597.00	(In) (Minus)	Depth to Water	155.64	(In)	=	441.36	HT (in)
Depth to Bottom	49.75	(Ft) (Minus)	Depth to Water	12.97	(Ft)	=	36.78	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)
r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			441.36	1	3.14	1386	.0043	6.0		12.9	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: | DRUM: ☐ | DRUM# | SITE TREATMENT: [X]
OTHER: ☐

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-15
SAMPLE NO. UST1613-MW15 / MW15D

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/11/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1545
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.44	6.74	6.89	6.92			(STD)
Specific Conductivity	0.605	0.650	0.650	0.650			(m S/m)
Turbidity (Turb)	1546	68.6	17.8	19.0			(NTU)
Dissolved Oxygen (DO)	1.58	0.43	0.37	0.34			(g/l)
Temperature (Temp)	22.35	21.85	21.93	22.02			(°C)
ORP	-52.8	-90.6	-101.7	-104.2			

Depth to Bottom	532.32	(In) (Minus)	Depth to Water	192.96	(In)	=	339.36	HT (in)
Depth to Bottom	44.36	(Ft) (Minus)	Depth to Water	16.08	(Ft)	=	28.28	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			339.36	1	3.14	1066	.0043	4.6		13.7	15
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS: Duplicate sample Taken

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-16
SAMPLE NO.UST1613-MW16

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/8/09
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1400
PHONE: 910-451-2390	WEATHER: Sunny 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.89	6.00	6.32	6.36			(STD)
Specific Conductivity	0.208	0.206	0.209	0.209			(m S/m)
Turbidity (Turb)	31.2	34.8	8.2	14.1			(NTU)
Dissolved Oxygen (DO)	8.33	8.33	8.42	8.40			(g/l)
Temperature (Temp)	22.18	21.79	22.62	22.44			(°C)
ORP	198.3	205.0	186.2	186.6			

Depth to Bottom	435	(In) (Minus)	Depth to Water	145.72	(In)	=	289.08	HT (in)
Depth to Bottom	36.25	(Ft) (Minus)	Depth to Water	12.16	(Ft)	=	24.09	HT (ft)

d = 6
r = 3
d/2 = 18?

MEASUREMENTS (IN INCHES)

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			289.08	9	3.14	8169	.0043	35		105.4	110
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

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Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-17
SAMPLE NO. UST1613-MW17

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/7/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1345
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.86	5.46	5.23	5.07			(STD)
Specific Conductivity	0.097	0.093	0.089	0.083			(m S/m)
Turbidity (Turb)	18.3	581.4	586.3	9.9			(NTU)
Dissolved Oxygen (DO)	2.95	1.23	0.82	1.07			(g/l)
Temperature (Temp)	23.19	23.32	23.45	23.28			(°C)
ORP	63.9	4.4	-6.1	-1.7			

Depth to Bottom	229.80	(In) (Minus)	Depth to Water	124.08	(In)	=	105.72	HT (in)
Depth to Bottom	19.15	(Ft) (Minus)	Depth to Water	10.34	(Ft)	=	8.81	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			105.72	1	3.14	332	.0043	1.4		4.3	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-18
SAMPLE NO. UST1613-MW18

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/7/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1300
PHONE: 910-451-2390	WEATHER: Sunny 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.57	6.11	6.03	5.95			(STD)
Specific Conductivity	0.218	0.208	0.202	0.200			(m S/m)
Turbidity (Turb)	199.6	1516.7	1242.5	56.7			(NTU)
Dissolved Oxygen (DO)	4.89	4.13	3.88	3.79			(g/l)
Temperature (Temp)	24.06	24.38	24.32	24.36			(°C)
ORP	177.8	168.6	175.4	181.7			

Depth to Bottom	226.92	(In) (Minus)	Depth to Water	122.40	(In)	=	104.52	HT (in)
Depth to Bottom	18.91	(Ft) (Minus)	Depth to Water	10.20	(Ft)	=	8.71	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			104.52	1	3.14	328	.0043	1.4		4.2	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-19
SAMPLE NO. UST1613-MW19

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/7/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1430
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.58	5.39	5.39	5.31			(STD)
Specific Conductivity	0.178	0.172	0.172	0.171			(m S/m)
Turbidity (Turb)	1560.3	1056.2	320.6	187.6			(NTU)
Dissolved Oxygen (DO)	5.19	4.57	5.20	4.54			(g/l)
Temperature (Temp)	24.44	24.70	24.64	24.64			(°C)
ORP	118.2	162.5	177.2	193.7			

Depth to Bottom	228.36	(In) (Minus)	Depth to Water	114.12	(In)	=	114.24	HT (in)
Depth to Bottom	19.03	(Ft) (Minus)	Depth to Water	9.51	(Ft)	=	9.52	HT (ft)

d = 2
r = 1
d/2 = 1

MEASUREMENTS (IN INCHES)
Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			114.24	1	3.14	359	.0043	1.5		4.6	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: | DRUM: ☐ | DRUM# | SITE TREATMENT: [X]
OTHER: ☐

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-20
SAMPLE NO.UST1613- MW20

PROJECT LOCATION: Camp Lejeune | LOGGER: Mark Martin | DATE 10/4/04
PROJECT CONTACT: Mark Martin | SAMPLER: Mark Martin | TIME 1100
PHONE: 910-451-2390 | WEATHER: Partly Cloudy 70-80's
LEL: | Well Locked: [X] Yes
PID: | Sampling Device: Bailer | ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.64	6.88	6.43	6.37			(STD)
Specific Conductivity	0.467	0.682	0.660	0.658			(m S/m)
Turbidity (Turb)	875.1	708.4	204.6	18.3			(NTU)
Dissolved Oxygen (DO)	6.84	6.86	6.85	6.84			(g/l)
Temperature (Temp)	30.77	30.76	30.60	30.72			(°C)
ORP	110.7	131.9	144.8	155.2			

Depth to Bottom	195.60	(In) (Minus)	Depth to Water	122.28	(In)	=	73.32	HT (in)
Depth to Bottom	16.30	(Ft) (Minus)	Depth to Water	10.19	(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	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS: Steam Line near well

PURGE DISCHARGED: | DRUM: ☐ | DRUM# | SITE TREATMENT: [X]
OTHER: ☐

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-21
SAMPLE NO. UST1613-MW21

PROJECT LOCATION: Camp Lejeune | LOGGER: Mark Martin | DATE 10/4/04
PROJECT CONTACT: Mark Martin | SAMPLER: Mark Martin | TIME 1000
PHONE: 910-451-2390 | WEATHER: Sunny 70-80°
LEL: | Well Locked: [X] Yes
PID: | Sampling Device: Bailer | ☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.11	6.07	5.97	5.94			(STD)
Specific Conductivity	0.196	0.222	0.255	0.290			(m S/m)
Turbidity (Turb)	239.7	47.9	31.9	14.1			(NTU)
Dissolved Oxygen (DO)	3.22	2.68	2.08	1.55			(g/l)
Temperature (Temp)	31.55	31.85	31.93	32.02			(°C)
ORP	52.3	102.5	131.8	147.9			

Depth to Bottom	219.72	(In) (Minus)	Depth to Water	126.32	(In)	=	94.20	HT (in)
Depth to Bottom	18.31	(Ft) (Minus)	Depth to Water	10.46	(Ft)	=	7.85	HT (ft)

d = 2
r = 1
d/2 = 1

MEASUREMENTS (IN INCHES)
Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			94.2	1	3.14	296.	.0043	1.3		3.8	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS: Steam line next to well

PURGE DISCHARGED: | DRUM: ☐ | DRUM# | SITE TREATMENT: [X]
OTHER: ☐

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. MW-22
SAMPLE NO.UST1613- MW22

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/4/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0900
PHONE: 910-451-2390	WEATHER: SUNNY 70-80	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4				
PH	6.18	5.79	5.79	5.79				(STD)
Specific Conductivity	0.449	0.431	0.385	0.369				(m S/m)
Turbidity (Turb)	494.9	177.8	24.7	6.5				(NTU)
Dissolved Oxygen (DO)	1.78	0.86	0.56	0.59				(g/l)
Temperature (Temp)	26.00	26.05	26.02	26.07				(°C)
ORP	72.0	42.1	-12.7	-29.8				

Depth to Bottom	197.76	(In) (Minus)	Depth to Water	121.68	(In)	=	76.08	HT (in)
Depth to Bottom	16.48	(Ft) (Minus)	Depth to Water	10.14	(Ft)	=	6.34	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			76.08	1	3.14	239	.0043	1.0		3.1	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. HPGW-5
SAMPLE NO.UST1613- HPGW05

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/11/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1530
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.40	6.21	6.27	6.28			(STD)
Specific Conductivity	0.539	0.547	0.596	0.695			(m S/m)
Turbidity (Turb)	111.4	0.5	0	0			(NTU)
Dissolved Oxygen (DO)	1.71	0.92	0.61	0.72			(g/l)
Temperature (Temp)	23.42	23.96	24.05	24.08			(°C)
ORP	39.6	50.4	54.0	56.3			

Depth to Bottom	328.44	(In) (Minus)	Depth to Water	107.04	(In)	=	221.40	HT (in)
Depth to Bottom	27.37	(Ft) (Minus)	Depth to Water	8.92	(Ft)	=	18.45	HT (ft)

d = 2
r = 1
d/2 = 1

MEASUREMENTS (IN INCHES)
Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			221.4	1	3.14	695	.0043	3.0		9.0	10
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. HPGW-6
SAMPLE NO.UST1613-HPGW6

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/6/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1615
PHONE: 910-451-2390	WEATHER: Sunny 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.86	4.87	4.86	4.86			(STD)
Specific Conductivity	0.111	0.101	0.100	0.100			(m S/m)
Turbidity (Turb)	14.8	9.9	9.9	9.6			(NTU)
Dissolved Oxygen (DO)	6.66	5.94	5.91	5.86			(g/l)
Temperature (Temp)	23.42	23.01	22.58	23.00			(°C)
ORP	23.5	80.6	80.7	84.1			

Depth to Bottom	264.60	(In) (Minus)	Depth to Water	170.40	(In)	=	94.20	HT (in)
Depth to Bottom	22.05	(Ft) (Minus)	Depth to Water	14.20	(Ft)	=	~~94.20~~ 7.85	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			94.20	1	3.14	296	.0043	1.3		3.8	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS: Well Recently (Today) Purged by CH2MHill
Purged Well Till Field Readings Stabilized

PURGE DISCHARGED:	DRUM: ☐	DRUM#	SITE TREATMENT: [X]
OTHER: ☐			

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 110385
PROJECT NAME: Bldg 1613
WELL NO. HPGW-7
SAMPLE NO.UST1613-

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/11/04
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1500
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	6.66	6.46	6.22	6.17			(STD)
Specific Conductivity	0.236	0.246	0.248	0.248			(m S/m)
Turbidity (Turb)	734.0	149.1	14.7	15.4			(NTU)
Dissolved Oxygen (DO)	1.38	0.74	0.61	0.59			(g/l)
Temperature (Temp)	23.46	23.29	23.26	23.24			(°C)
ORP	-93.9	-105.1	-102.8	-99.8			

Depth to Bottom	174.60	(In) (Minus)	Depth to Water	143.28	(In)	=	31.32	HT (in)
Depth to Bottom	14.55	(Ft) (Minus)	Depth to Water	11.94	(Ft)	=	2.61	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			31.32	1	3.14	98	.0043	0.4		1.3	5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE

COMMENTS:

PURGE DISCHARGED: DRUM: ☐ DRUM# SITE TREATMENT: [X]
OTHER: ☐

APPENDIX C

GROUNDWATER LABORATORY ANALYTICAL REPORTS

Southeast
ACCUTEST.
Laboratories

07/12/04

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-Bldg. 1613

844098

Accutest Job Number: F25081

Sampling Date: 06/24/04

Report to:

Shaw E & I, Inc.
5700 Thurston Ave. Suite 116-B
Virginia Beach, VA 23455
natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 50

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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: F25081

Camp Lejeune-Bldg. 1613
Project No: 844098

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F25081-1	06/24/04	10:00	MM	06/25/04	AQ	Ground Water	UST-1613-MW06
F25081-2	06/24/04	16:00	MM	06/25/04	AQ	Ground Water	UST-1613-MW11
F25081-3	06/24/04	15:00	MM	06/25/04	AQ	Ground Water	UST-1613-MW20
F25081-4	06/24/04	14:00	MM	06/25/04	AQ	Ground Water	UST-1613-MW21
F25081-5	06/24/04	11:00	MM	06/25/04	AQ	Ground Water	UST-1613-HPGW6
F25081-6	06/24/04	18:00	MM	06/25/04	AQ	Ground Water	UST-1613-MW10
F25081-7	06/24/04	13:00	MM	06/25/04	AQ	Ground Water	UST-1613-MW22
F25081-8	06/24/04	18:05	MM	06/25/04	AQ	Ground Water	UST-1613-MW10D
F25081-9	06/24/04	17:00	MM	06/25/04	AQ	Ground Water	UST-1613-MW16
F25081-10	06/24/04	00:00	MM	06/25/04	AQ	Trip Blank Water	UST-1613-TB-062404

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW06		
Lab Sample ID:	F25081-1	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR023422.D	1	07/01/04	RA	n/a	n/a	GQR1020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.81	1.0	0.50	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW06		
Lab Sample ID:	F25081-1	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	103%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW06		
Lab Sample ID:	F25081-1	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 610 EPA 610	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ20214.D	1	07/07/04	SM	07/01/04	OP10804	GIJ990
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	98%		42-123%
84-15-1	o-Terphenyl	107%		51-123%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW11		
Lab Sample ID:	F25081-2	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR023423.D	1	07/01/04	RA	n/a	n/a	GQR1020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.95	1.0	0.50	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	3.5	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	10.8	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW11		
Lab Sample ID:	F25081-2	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	21.6	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	100%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	103%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW11		
Lab Sample ID:	F25081-2	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 610 EPA 610	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ20215.D	1	07/07/04	SM	07/01/04	OP10804	GIJ990
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	101%		42-123%
84-15-1	o-Terphenyl	111%		51-123%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW20		
Lab Sample ID:	F25081-3	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR023424.D	1	07/01/04	RA	n/a	n/a	GQR1020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.3	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	7.4	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	13.4	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	1.4	1.0	0.50	ug/l	
108-88-3	Toluene	25.7	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW20		
Lab Sample ID:	F25081-3	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	45.6	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	96%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	108%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	108%		86-112%

(a) All hits confirmed by GC/MS.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW20		
Lab Sample ID:	F25081-3	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 610 EPA 610	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ20218.D	1	07/07/04	SM	07/01/04	OP10804	GIJ990
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	90%		42-123%
84-15-1	o-Terphenyl	104%		51-123%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW21		
Lab Sample ID:	F25081-4	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR023425.D	1	07/01/04	RA	n/a	n/a	GQR1020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.8	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	12.9	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	50.5	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW21		
Lab Sample ID:	F25081-4	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	77.4	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	99%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	105%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	104%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW21		
Lab Sample ID:	F25081-4	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 610 EPA 610	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	IJ20219.D	1	07/07/04	SM	07/01/04	OP10804	GIJ990
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	2.7	5.0	2.0	ug/l	J
90-12-0	1-Methylnaphthalene	ND	5.0	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	93%		42-123%
84-15-1	o-Terphenyl	103%		51-123%

(a) All hits confirmed by dual column analysis.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-HPGW6		
Lab Sample ID:	F25081-5	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR023426.D	1	07/01/04	RA	n/a	n/a	GQR1020
Run #2	QR023463.D	5	07/06/04	RA	n/a	n/a	GQR1023

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	63.4	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	52.7	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	60.8	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-HPGW6		
Lab Sample ID:	F25081-5	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	1040 [a]	15	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	104%	105%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	114%	107%	70-123%
563-58-6	1,1-Dichloropropene	101%	99%	86-112%
563-58-6	1,1-Dichloropropene	107%	101%	86-112%

(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:	UST-1613-HPGW6		
Lab Sample ID:	F25081-5	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 610 EPA 610	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	IJ20220.D	1	07/07/04	SM	07/01/04	OP10804	GIJ990
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	30.2	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	6.3	5.0	2.0	ug/l	
91-57-6	2-Methylnaphthalene	6.9	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	167% [b]		42-123%
84-15-1	o-Terphenyl	114%		51-123%

(a) All hits confirmed by dual column analysis.
(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:	UST-1613-MW10		
Lab Sample ID:	F25081-6	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR023427.D	1	07/01/04	RA	n/a	n/a	GQR1020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.8	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.96	1.0	0.50	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	2.0	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW10		
Lab Sample ID:	F25081-6	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	2.2	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	99%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	103%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW10		
Lab Sample ID:	F25081-6	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 610 EPA 610	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ20221.D	1	07/07/04	SM	07/01/04	OP10804	GIJ990
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	95%		42-123%
84-15-1	o-Terphenyl	103%		51-123%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW22		
Lab Sample ID:	F25081-7	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR023428.D	50	07/01/04	RA	n/a	n/a	GQR1020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	345	50	25	ug/l	
75-27-4	Bromodichloromethane	ND	50	25	ug/l	
75-25-2	Bromoform	ND	50	25	ug/l	
74-83-9	Bromomethane	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	50	25	ug/l	
108-90-7	Chlorobenzene	ND	50	25	ug/l	
124-48-1	Dibromochloromethane	ND	50	20	ug/l	
75-00-3	Chloroethane	ND	50	25	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	50	25	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
74-87-3	Chloromethane	ND	50	25	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	25	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	25	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	25	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	25	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	25	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	25	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	15	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	15	ug/l	
100-41-4	Ethylbenzene	1180	50	25	ug/l	
75-09-2	Methylene chloride	ND	250	50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	10	ug/l	
127-18-4	Tetrachloroethene	ND	50	25	ug/l	
108-88-3	Toluene	3910	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	25	ug/l	
79-01-6	Trichloroethene	ND	50	25	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW22		
Lab Sample ID:	F25081-7	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	50	25	ug/l	
75-01-4	Vinyl chloride	ND	50	25	ug/l	
1330-20-7	Xylenes (total)	6540	150	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	101%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	108%		70-123%
563-58-6	1,1-Dichloropropene	101%		86-112%
563-58-6	1,1-Dichloropropene	106%		86-112%

(a) All hits confirmed by GC/MS.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW22		
Lab Sample ID:	F25081-7	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 610 EPA 610	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ20236.D	1	07/08/04	SM	07/01/04	OP10804	GIJ991
Run #2 [a]	IJ20237.D	10	07/08/04	SM	07/01/04	OP10804	GIJ991

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND [b]	50	20	ug/l	
208-96-8	Acenaphthylene	ND [b]	50	20	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	288 [b]	50	20	ug/l	
90-12-0	1-Methylnaphthalene	38.6 [b]	50	20	ug/l	J
91-57-6	2-Methylnaphthalene	43.1 [b]	50	20	ug/l	J
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	459% [c]	383% [c]	42-123%
84-15-1	o-Terphenyl	112%	107%	51-123%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2
(c) 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:	UST-1613-MW10D		
Lab Sample ID:	F25081-8	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR023429.D	1	07/01/04	RA	n/a	n/a	GQR1020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.0	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	2.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	1.5	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW10D		
Lab Sample ID:	F25081-8	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	3.0	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	99%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	105%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW10D		
Lab Sample ID:	F25081-8	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 610 EPA 610	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ20224.D	1	07/07/04	SM	07/01/04	OP10804	GIJ990
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	100%		42-123%
84-15-1	o-Terphenyl	108%		51-123%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW16		
Lab Sample ID:	F25081-9	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR023430.D	1	07/01/04	RA	n/a	n/a	GQR1020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	8.7	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.8	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	37.8	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW16		
Lab Sample ID:	F25081-9	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	3.6	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	103%		86-112%

(a) All hits confirmed by GC/MS.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-MW16		
Lab Sample ID:	F25081-9	Date Sampled:	06/24/04
Matrix:	AQ - Ground Water	Date Received:	06/25/04
Method:	EPA 610 EPA 610	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ20225.D	1	07/07/04	SM	07/01/04	OP10804	GIJ990
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	101%		42-123%
84-15-1	o-Terphenyl	109%		51-123%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-TB-062404		
Lab Sample ID:	F25081-10	Date Sampled:	06/24/04
Matrix:	AQ - Trip Blank Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR023434.D	1	07/02/04	RA	n/a	n/a	GQR1020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST-1613-TB-062404		
Lab Sample ID:	F25081-10	Date Sampled:	06/24/04
Matrix:	AQ - Trip Blank Water	Date Received:	06/25/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg. 1613		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	87%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
563-58-6	1,1-Dichloropropene	102%		86-112%
563-58-6	1,1-Dichloropropene	102%		86-112%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F25081

COC Number: 844098-1613-062404

Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 1613	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
844098	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	VOC 601 / 602	PAH 610
1	UST1613-MW06	6/24/04	10:00		X	UST1613-MW06	5	X	X
2	UST1613-MW11	6/24/04	16:00		X	UST1613-MW11	5	X	X
3	UST1613-MW20	6/24/04	15:00		X	UST1613-MW20	5	X	X
4	UST1613-MW21	6/24/04	14:00		X	UST1613-MW21	5	X	X
5	UST1613-HPGW6	6/24/04	11:00		X	UST1613-HPGW6	5	X	X
6	UST1613-MW10	6/24/04	18:00		X	UST1613-MW10	5	X	X
7	UST1613-MW22	6/24/04	13:00		X	UST1613-MW22	5	X	X
8	UST1613-MW10D	6/24/04	18:05		X	UST1613-MW10D	5	X	X
9	UST1613-MW16	6/24/04	17:00		X	UST1613-MW16	5	X	X
10	UST1613-TB-062404	6/24/04	—		X	Trip Blank	2	X	

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 – 10		FedEx8436 4375 4665	6/25/04	16:00
2		FedEx		6/26/04	1000
3					

Remarks

- PLEASE FAX RESULTS TO 910-451-1809 or e-mail, Mark.Martin@shawgrp.com

14 Day TAT

F25081: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F25081

Client: SHAW E+I Project: Camp LEJEUNE Bldg 1613

Date Received: 6/26/04 Time Received: 10:00

# of Coolers Received: 1 Cooler Temperatures: 3.2

Delivery Method: (FedEx) UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	(Yes)	No	
Trip Blank on COC ?	(Yes)	No	
Trip Blank Intact ?	(Yes)	No	N/A
Trip Blank Matrix ?	Soil	(Water)	N/A
Number of Encores ?	Ø		
Number of Soil Field Kits ?	Ø		

Summary of Comments:

Signature: Date: 6/26/04

Review Signature:

ASBD 12/30/03

F25081: Chain of Custody
Page 2 of 2

Southeast
ACCUTEST.
Laboratories

11/05/04

Technical Report for

Field Support Service Inc

Camp Lejeune-Bldg 1613/ FSSI

110385

Accutest Job Number: F27129

Sampling Dates: 09/30/04 - 10/01/04

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 86

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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

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Accutest Laboratories

Sample Summary

Field Support Service Inc

Job No: F27129

Camp Lejeune-Bldg 1613/ FSSI
Project No: 110385

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F27129-1	09/30/04	09:30	MM	10/02/04	AQ	Ground Water	UST1613-MW13
F27129-2	09/30/04	10:40	MM	10/02/04	AQ	Ground Water	UST1613-MW07
F27129-3	09/30/04	11:45	MM	10/02/04	AQ	Ground Water	UST1613-MW02
F27129-4	09/30/04	14:00	MM	10/02/04	AQ	Ground Water	UST1613-MW01
F27129-5	09/30/04	15:00	MM	10/02/04	AQ	Ground Water	UST1613-MW06
F27129-6	09/30/04	16:00	MM	10/02/04	AQ	Ground Water	UST1613-MW05
F27129-7	10/01/04	14:30	MM	10/02/04	AQ	Ground Water	UST1613-MW04
F27129-8	10/01/04	15:00	MM	10/02/04	AQ	Ground Water	UST1613-MW08
F27129-9	10/01/04	15:45	MM	10/02/04	AQ	Ground Water	UST1613-MW15
F27129-10	10/01/04	15:45	MM	10/02/04	AQ	Ground Water	UST1613-MW15D
F27129-11	10/01/04	00:00	MM	10/02/04	AQ	Trip Blank Water	UST1613-TB-100104

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW13		
Lab Sample ID:	F27129-1	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024830.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2	QR024875.D	1	10/11/04	RA	n/a	n/a	GQR1103

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.64	1.0	0.50	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	15.6 [a]	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW13		
Lab Sample ID:	F27129-1	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	93%	96%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	94%	98%	70-123%
563-58-6	1,1-Dichloropropene	100%	97%	86-112%
563-58-6	1,1-Dichloropropene	101%	101%	86-112%

(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:	UST1613-MW13		
Lab Sample ID:	F27129-1	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015047.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	93%		70-130%
460-00-4	BFB	96%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW13		
Lab Sample ID:	F27129-1	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19136.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	37.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW13		
Lab Sample ID:	F27129-1	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15387.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	82%		40-140%
580-13-2	2-Bromonaphthalene	87%		40-140%
84-15-1	o-Terphenyl	86%		40-140%
321-60-8	2-Fluorobiphenyl	108%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW07		
Lab Sample ID:	F27129-2	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024847.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW07		
Lab Sample ID:	F27129-2	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	104%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW07		
Lab Sample ID:	F27129-2	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015048.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	91%		70-130%
460-00-4	BFB	96%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW07		
Lab Sample ID:	F27129-2	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19139.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	37.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW07		
Lab Sample ID:	F27129-2	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15389.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	53%		40-140%
580-13-2	2-Bromonaphthalene	90%		40-140%
84-15-1	o-Terphenyl	89%		40-140%
321-60-8	2-Fluorobiphenyl	104%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW02		
Lab Sample ID:	F27129-3	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024835.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW02		
Lab Sample ID:	F27129-3	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	99%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW02		
Lab Sample ID:	F27129-3	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015049.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	94%		70-130%
460-00-4	BFB	99%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW02		
Lab Sample ID:	F27129-3	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19140.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	37.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		60-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW02		
Lab Sample ID:	F27129-3	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15427.D	1	11/04/04	SM	10/13/04	OP11550	GZF707
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	40%		40-140%
580-13-2	2-Bromonaphthalene	81%		40-140%
84-15-1	o-Terphenyl	71%		40-140%
321-60-8	2-Fluorobiphenyl	94%		40-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW01		
Lab Sample ID:	F27129-4	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024836.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW01		
Lab Sample ID:	F27129-4	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	98%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW01		
Lab Sample ID:	F27129-4	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015050.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	92%		70-130%
460-00-4	BFB	98%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW01		
Lab Sample ID:	F27129-4	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19141.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW01		
Lab Sample ID:	F27129-4	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15391.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2	ZF15428.D	1	11/04/04	SM	10/13/04	OP11550	GZF707

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2	1050 ml	2.0 ml

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	32% [a]	33%	40-140%
580-13-2	2-Bromonaphthalene	86%	87%	40-140%
84-15-1	o-Terphenyl	83%	84%	40-140%
321-60-8	2-Fluorobiphenyl	108%	109%	40-140%

(a) Confirmed by reanalysis, insufficient sample to re-fractionate.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW06		
Lab Sample ID:	F27129-5	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024837.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW06		
Lab Sample ID:	F27129-5	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	106%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW06		
Lab Sample ID:	F27129-5	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015051.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	89%		70-130%
460-00-4	BFB	95%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW06		
Lab Sample ID:	F27129-5	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19142.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	35.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0098	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW06		
Lab Sample ID:	F27129-5	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15392.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	66%		40-140%
580-13-2	2-Bromonaphthalene	64%		40-140%
84-15-1	o-Terphenyl	75%		40-140%
321-60-8	2-Fluorobiphenyl	90%		40-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW05		
Lab Sample ID:	F27129-6	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024839.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW05		
Lab Sample ID:	F27129-6	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	103%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW05		
Lab Sample ID:	F27129-6	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015052.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	88%		70-130%
460-00-4	BFB	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW05		
Lab Sample ID:	F27129-6	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19143.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW05		
Lab Sample ID:	F27129-6	Date Sampled:	09/30/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15393.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2	ZF15429.D	1	11/04/04	SM	10/13/04	OP11550	GZF707

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2	1050 ml	2.0 ml

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	34% [a]	36%	40-140%
580-13-2	2-Bromonaphthalene	85%	87%	40-140%
84-15-1	o-Terphenyl	76%	78%	40-140%
321-60-8	2-Fluorobiphenyl	105%	108%	40-140%

(a) Confirmed by reanalysis, insufficient sample to re-fractionate.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW04		
Lab Sample ID:	F27129-7	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024840.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW04		
Lab Sample ID:	F27129-7	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	98%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	108%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW04		
Lab Sample ID:	F27129-7	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015053.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	90%		70-130%
460-00-4	BFB	97%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW04		
Lab Sample ID:	F27129-7	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19144.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	36.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW04		
Lab Sample ID:	F27129-7	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15394.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2	ZF15430.D	1	11/04/04	SM	10/13/04	OP11550	GZF707

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2	1050 ml	2.0 ml

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	38% [a]	39%	40-140%
580-13-2	2-Bromonaphthalene	76%	81%	40-140%
84-15-1	o-Terphenyl	76%	80%	40-140%
321-60-8	2-Fluorobiphenyl	110%	117%	40-140%

(a) Confirmed by reanalysis, insufficient sample to re-fractionate.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW08		
Lab Sample ID:	F27129-8	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024841.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW08		
Lab Sample ID:	F27129-8	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	107%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW08		
Lab Sample ID:	F27129-8	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015055.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	92%		70-130%
460-00-4	BFB	98%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW08		
Lab Sample ID:	F27129-8	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19145.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	35.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0098	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	127%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW08		
Lab Sample ID:	F27129-8	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15395.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	210	160	ug/l	
	C9-C18 Aliphatics	ND	210	210	ug/l	
	C19-C36 Aliphatics	ND	210	210	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	62%		40-140%
580-13-2	2-Bromonaphthalene	86%		40-140%
84-15-1	o-Terphenyl	84%		40-140%
321-60-8	2-Fluorobiphenyl	108%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW15		
Lab Sample ID:	F27129-9	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR024842.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2	QR024931.D	5	10/14/04	RA	n/a	n/a	GQR1106

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.80	1.0	0.50	ug/l	J
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	36.7	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.76	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	299 [b]	5.0	2.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	16.8	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW15		
Lab Sample ID:	F27129-9	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	96%	95%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	93%	92%	70-123%
563-58-6	1,1-Dichloropropene	100%	100%	86-112%
563-58-6	1,1-Dichloropropene	97%	104%	86-112%

(a) All hits confirmed by GC/MS.
(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:	UST1613-MW15		
Lab Sample ID:	F27129-9	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015056.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	263	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	92%		70-130%
460-00-4	BFB	100%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW15		
Lab Sample ID:	F27129-9	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19147.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	36.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW15		
Lab Sample ID:	F27129-9	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15398.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	73%		40-140%
580-13-2	2-Bromonaphthalene	91%		40-140%
84-15-1	o-Terphenyl	85%		40-140%
321-60-8	2-Fluorobiphenyl	99%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW15D		
Lab Sample ID:	F27129-10	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024843.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2	QR024871.D	5	10/11/04	RA	n/a	n/a	GQR1103

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.80	1.0	0.50	ug/l	J
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	36.4	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.69	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	303 [a]	5.0	2.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	16.6	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW15D		
Lab Sample ID:	F27129-10	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	96%	95%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	92%	98%	70-123%
563-58-6	1,1-Dichloropropene	100%	97%	86-112%
563-58-6	1,1-Dichloropropene	95%	101%	86-112%

(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:	UST1613-MW15D		
Lab Sample ID:	F27129-10	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015057.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	261	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	92%		70-130%
460-00-4	BFB	99%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW15D		
Lab Sample ID:	F27129-10	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19148.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	36.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW15D		
Lab Sample ID:	F27129-10	Date Sampled:	10/01/04
Matrix:	AQ - Ground Water	Date Received:	10/02/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15404.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	86%		40-140%
580-13-2	2-Bromonaphthalene	71%		40-140%
84-15-1	o-Terphenyl	78%		40-140%
321-60-8	2-Fluorobiphenyl	93%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100104		
Lab Sample ID:	F27129-11	Date Sampled:	10/01/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR024848.D	1	10/08/04	RA	n/a	n/a	GQR1101
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100104		
Lab Sample ID:	F27129-11	Date Sampled:	10/01/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/02/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	98%		86-112%
563-58-6	1,1-Dichloropropene	100%		86-112%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100104		
Lab Sample ID:	F27129-11	Date Sampled:	10/01/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/02/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	UV015058.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	90%		70-130%
460-00-4	BFB	97%		70-130%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100104		
Lab Sample ID:	F27129-11	Date Sampled:	10/01/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/02/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19149.D	1	10/08/04	SKW	10/08/04	OP11510	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	36.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		60-139%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

COC Number:
110385-1613-100104

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F27129

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 1613	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
110385	Mark Martin	FSSI	
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	601/602 W/PE, MTBE and Xylenes	MADEP EPH	MADEP VPH	EDB
1	UST1613-MW13	9/30/04	9:30		X	UST1613-MW13	11	X	X	X	X
2	UST1613-MW07	9/30/04	10:40		X	UST1613-MW07	11	X	X	X	X
3	UST1613-MW02	9/30/04	11:45		X	UST1613-MW02	11	X	X	X	X
4	UST1613-MW01	9/30/04	14:00		X	UST1613-MW01	11	X	X	X	X
5	UST1613-MW06	9/30/04	15:00		X	UST1613-MW06	11	X	X	X	X
6	UST1613-MW05	9/30/04	16:00		X	UST1613-MW05	11	X	X	X	X
7	UST1613-MW04	10/1/04	14:30		X	UST1613-MW04	11	X	X	X	X
8	UST1613-MW08	10/1/04	15:00		X	UST1613-MW08	11	X	X	X	X
9	UST1613-MW15	10/1/04	15:45		X	UST1613-MW15	11	X	X	X	X
10	UST1613-MW15	10/1/04	15:45		X	UST1613-MW15	11	X	X	X	X
11	UST1613-TB-100104	10/1/04			X	Trip Blank	2	X			

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1-11		FedEx 8481 5070 8298	10/1/04	16:00
2				10/2/04	9:10
3					

Remarks

- PLEASE FAX RESULTS TO 910-451-1809 or e-mail, Mark.Martin@shawgrp.com

14 Day TAT

3.1 3

F27129: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories
F27129

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F27129

Client: SHAW E+I Project: CAMP LEJEUNE BLDG 1613

Date Received: 10-2-04 Time Received: 09:00

# of Coolers Received: 3 Cooler Temperatures: 3-2 3.0 3.2

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	(Yes)	No	
Trip Blank on COC ?	(Yes)	No	
Trip Blank Intact ?	(Yes)	No	
Trip Blank Matrix ?	Soil	(Water)	N/A
Number of Encores ?	Ø		N/A
Number of Soil Field Kits ?	Ø		

Summary of Comments: SAMPLE # 10 THE SAMPLE IS MARKED (GWST 1613 MW15D) ON THE BOTTLE

Signature: Cindy Dy Date: 10/2/04

Review Signature:

ASBD/HW 05/11/03

Southeast
ACCUTEST.
Laboratories

11/05/04

Technical Report for

Field Support Service Inc

Camp Lejeune-Bldg 1613/ FSSI

110385

Accutest Job Number: F27193

Sampling Date: 10/04/04

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **50**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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

Field Support Service Inc

Job No: F27193

Camp Lejeune-Bldg 1613/ FSSI
Project No: 110385

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F27193-1	10/04/04	11:00	MM	10/06/04	AQ	Ground Water	UST1613-MW20
F27193-2	10/04/04	09:00	MM	10/06/04	AQ	Ground Water	UST1613-MW21
F27193-3	10/04/04	10:00	MM	10/06/04	AQ	Ground Water	UST1613-MW22
F27193-4	10/04/04	00:00	MM	10/06/04	AQ	Trip Blank Water	UST1613-TB-100404

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW20		
Lab Sample ID:	F27193-1	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR024876.D	1	10/11/04	RA	n/a	n/a	GQR1103
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.77	1.0	0.50	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	7.1	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	7.5	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	1.3	1.0	0.50	ug/l	
108-88-3	Toluene	10.1	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW20		
Lab Sample ID:	F27193-1	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	27.2	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	100%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	105%		70-123%
563-58-6	1,1-Dichloropropene	97%		86-112%
563-58-6	1,1-Dichloropropene	104%		86-112%

(a) All hits confirmed by GC/MS.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW20		
Lab Sample ID:	F27193-1	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015059.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	15.3	20	10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	93%		70-130%
460-00-4	BFB	99%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW20		
Lab Sample ID:	F27193-1	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19167.D	1	10/09/04	SKW	10/08/04	OP11511	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW20		
Lab Sample ID:	F27193-1	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15401.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	55%		40-140%
580-13-2	2-Bromonaphthalene	75%		40-140%
84-15-1	o-Terphenyl	76%		40-140%
321-60-8	2-Fluorobiphenyl	97%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW21		
Lab Sample ID:	F27193-2	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR024881.D	5	10/12/04	RA	n/a	n/a	GQR1103
Run #2	QR024930.D	50	10/14/04	RA	n/a	n/a	GQR1106

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	356	5.0	2.5	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.5	ug/l	
75-25-2	Bromoform	ND	5.0	2.5	ug/l	
74-83-9	Bromomethane	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.5	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.5	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	2.5	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	5.0	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.5	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	2.5	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	2.5	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	2.5	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	2.5	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
100-41-4	Ethylbenzene	1040 [b]	50	25	ug/l	
75-09-2	Methylene chloride	ND	25	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	28.6	5.0	2.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.5	ug/l	
108-88-3	Toluene	1250 [b]	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.5	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.5	ug/l	
79-01-6	Trichloroethene	ND	5.0	2.5	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW21		
Lab Sample ID:	F27193-2	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	5.0	2.5	ug/l	
75-01-4	Vinyl chloride	ND	5.0	2.5	ug/l	
1330-20-7	Xylenes (total)	3520 [b]	150	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	101%	101%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	109%	104%	70-123%
563-58-6	1,1-Dichloropropene	98%	100%	86-112%
563-58-6	1,1-Dichloropropene	101%	108%	86-112%

(a) All hits confirmed by GC/MS.
(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:	UST1613-MW21		
Lab Sample ID:	F27193-2	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015060.D	5	10/11/04	RM	n/a	n/a	GUV883
Run #2	UV015078.D	20	10/12/04	RM	n/a	n/a	GUV885

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	4300	380	250	ug/l	
	C9- C12 Aliphatics (Unadj.)	10300	280	150	ug/l	
	C9- C10 Aromatics (Unadj.)	5690 [a]	400	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	99%	93%	70-130%
460-00-4	BFB	107%	100%	70-130%

(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:	UST1613-MW21		
Lab Sample ID:	F27193-2	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19168.D	1	10/09/04	SKW	10/08/04	OP11511	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	37.3 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW21		
Lab Sample ID:	F27193-2	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15402.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	878	190	140	ug/l	
	C9-C18 Aliphatics	1640	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	81%		40-140%
580-13-2	2-Bromonaphthalene	70%		40-140%
84-15-1	o-Terphenyl	76%		40-140%
321-60-8	2-Fluorobiphenyl	97%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW22		
Lab Sample ID:	F27193-3	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024877.D	1	10/12/04	RA	n/a	n/a	GQR1103
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.2	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	16.1	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	30.6	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW22		
Lab Sample ID:	F27193-3	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	62.0	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	102%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	108%		70-123%
563-58-6	1,1-Dichloropropene	97%		86-112%
563-58-6	1,1-Dichloropropene	105%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW22		
Lab Sample ID:	F27193-3	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015061.D	1	10/11/04	RM	n/a	n/a	GUV883
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	103	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	52.6	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	93%		70-130%
460-00-4	BFB	99%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW22		
Lab Sample ID:	F27193-3	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19169.D	1	10/09/04	SKW	10/08/04	OP11511	GDD587
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW22		
Lab Sample ID:	F27193-3	Date Sampled:	10/04/04
Matrix:	AQ - Ground Water	Date Received:	10/06/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15403.D	1	11/03/04	SM	10/13/04	OP11550	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	61%		40-140%
580-13-2	2-Bromonaphthalene	62%		40-140%
84-15-1	o-Terphenyl	68%		40-140%
321-60-8	2-Fluorobiphenyl	89%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100404		
Lab Sample ID:	F27193-4	Date Sampled:	10/04/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/06/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR024878.D	1	10/12/04	RA	n/a	n/a	GQR1103
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100404		
Lab Sample ID:	F27193-4	Date Sampled:	10/04/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/06/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	99%		70-123%
563-58-6	1,1-Dichloropropene	97%		86-112%
563-58-6	1,1-Dichloropropene	105%		86-112%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F27193 COC Number: 110385-1613-100504

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 1613	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
110385	Mark Martin	FSSI	
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: 601/602 VWPE, MTBEand Xylenes	MADEP EPH	MADEP VPH	EDB
1	UST1613-MW20	10/4/04	11:00		X	UST1613-MW20	11	X	X	X	X
2	UST1613-MW21	10/4/04	9:00		X	UST1613-MW21	11	X	X	X	X
3	UST1613-MW22	10/4/04	10:00		X	UST1613-MW22	11	X	X	X	X
4	UST1613-TB-100404	10/4/04			X	Trip Blank	2	X			
5											
6											
7											
8											
9											
10											

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 – 4		FedEx 8481 5080 4402	10/5/04	16:00	- PLEASE FAX RESULTS TO 910-451-1809
2				10.6.04	09.00	or e-mail, Mark.Martin@shawgrp.com
3						**14 Day TAT**

F27193: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F27193

Client: SHAW E+I Project: CL 1613

Date Received: 10-6-04 Time Received: 09:00

# of Coolers Received: 1 Cooler Temperatures: 2 C

Delivery Method: (FedEx) UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	(Yes)	No	
Trip Blank on COC ?	(Yes)	No	
Trip Blank Intact ?	(Yes)	No	N/A
Trip Blank Matrix ?	Soil	(Water)	N/A
Number of Encores ?	Ø		
Number of Soil Field Kits ?	Ø		

Summary of Comments:

Signature: Carlos Ag Date: 10·6·04

Review Signature:

ASBD/HW 05/11/03

F27193: Chain of Custody
Page 2 of 2

ACCUTEST Laboratories F27193

Southeast
ACCUTEST.
Laboratories

11/10/04

Technical Report for

Field Support Service Inc

Camp Lejeune-Bldg 1613/ FSSI

110385

Accutest Job Number: F27281

Sampling Dates: 10/06/04 - 10/07/04

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 135

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

Field Support Service Inc

Job No: F27281

Camp Lejeune-Bldg 1613/ FSSI
Project No: 110385

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F27281-1	10/06/04	10:30	MM	10/08/04	AQ	Ground Water	UST1613-MW09
F27281-2	10/06/04	11:45	MM	10/08/04	AQ	Ground Water	UST1613-MW12
F27281-3	10/06/04	12:00	MM	10/08/04	AQ	Ground Water	UST1613-MW03
F27281-4	10/06/04	14:45	MM	10/08/04	AQ	Ground Water	UST1613-MW11
F27281-5	10/06/04	14:45	MM	10/08/04	AQ	Ground Water	UST1613-MW11D
F27281-6	10/06/04	16:15	MM	10/08/04	AQ	Ground Water	UST1613-HPGW6
F27281-7	10/07/04	13:00	MM	10/08/04	AQ	Ground Water	UST1613-MW18
F27281-8	10/07/04	13:45	MM	10/08/04	AQ	Ground Water	UST1613-MW17
F27281-9	10/07/04	14:30	MM	10/08/04	AQ	Ground Water	UST1613-MW19
F27281-10	10/07/04	00:00	MM	10/08/04	AQ	Trip Blank Water	UST1613-TB-100704

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW09		
Lab Sample ID:	F27281-1	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024932.D	1	10/14/04	RA	n/a	n/a	GQR1106
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	1.3	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.8	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW09		
Lab Sample ID:	F27281-1	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	4.8	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	106%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW09		
Lab Sample ID:	F27281-1	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015079.D	1	10/12/04	RM	n/a	n/a	GUV885
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	92%		70-130%
460-00-4	BFB	97%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW09		
Lab Sample ID:	F27281-1	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19189.D	1	10/11/04	SKW	10/11/04	OP11531	GDD588
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW09		
Lab Sample ID:	F27281-1	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15408.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2	ZF15432.D	1	11/04/04	SM	10/20/04	OP11604	GZF707

	Initial Volume	Final Volume
Run #1	1040 ml	2.0 ml
Run #2	1040 ml	2.0 ml

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	32% [a]	33%	40-140%
580-13-2	2-Bromonaphthalene	87%	89%	40-140%
84-15-1	o-Terphenyl	85%	87%	40-140%
321-60-8	2-Fluorobiphenyl	110%	114%	40-140%

(a) Confirmed by reanalysis, insufficient sample to re-fractionate.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW12		
Lab Sample ID:	F27281-2	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024933.D	1	10/14/04	RA	n/a	n/a	GQR1106
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	1.0	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.3	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW12		
Lab Sample ID:	F27281-2	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	3.7	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	96%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	98%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	106%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW12		
Lab Sample ID:	F27281-2	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015080.D	1	10/12/04	RM	n/a	n/a	GUV885
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	90%		70-130%
460-00-4	BFB	95%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW12		
Lab Sample ID:	F27281-2	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19190.D	1	10/11/04	SKW	10/11/04	OP11531	GDD588
Run #2							

	Initial Volume	Final Volume
Run #1	37.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW12		
Lab Sample ID:	F27281-2	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15409.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	52%		40-140%
580-13-2	2-Bromonaphthalene	56%		40-140%
84-15-1	o-Terphenyl	72%		40-140%
321-60-8	2-Fluorobiphenyl	84%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW03		
Lab Sample ID:	F27281-3	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024934.D	1	10/14/04	RA	n/a	n/a	GQR1106
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	1.0	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.4	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW03		
Lab Sample ID:	F27281-3	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	3.9	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	96%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	99%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	109%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW03		
Lab Sample ID:	F27281-3	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015081.D	1	10/12/04	RM	n/a	n/a	GUV885
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	91%		70-130%
460-00-4	BFB	96%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW03		
Lab Sample ID:	F27281-3	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19191.D	1	10/11/04	SKW	10/11/04	OP11531	GDD588
Run #2							

	Initial Volume	Final Volume
Run #1	35.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW03		
Lab Sample ID:	F27281-3	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15410.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	41%		40-140%
580-13-2	2-Bromonaphthalene	68%		40-140%
84-15-1	o-Terphenyl	74%		40-140%
321-60-8	2-Fluorobiphenyl	80%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11		
Lab Sample ID:	F27281-4	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024935.D	1	10/14/04	RA	n/a	n/a	GQR1106
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.85	1.0	0.50	ug/l	J
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11		
Lab Sample ID:	F27281-4	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	3.2	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	105%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11		
Lab Sample ID:	F27281-4	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015082.D	1	10/12/04	RM	n/a	n/a	GUV885
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	90%		70-130%
460-00-4	BFB	95%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11		
Lab Sample ID:	F27281-4	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19194.D	1	10/11/04	SKW	10/11/04	OP11531	GDD588
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11		
Lab Sample ID:	F27281-4	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15411.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	74%		40-140%
580-13-2	2-Bromonaphthalene	70%		40-140%
84-15-1	o-Terphenyl	70%		40-140%
321-60-8	2-Fluorobiphenyl	103%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11D		
Lab Sample ID:	F27281-5	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024936.D	1	10/14/04	RA	n/a	n/a	GQR1106
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.83	1.0	0.50	ug/l	J
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.98	1.0	0.50	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11D		
Lab Sample ID:	F27281-5	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	3.2	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	105%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11D		
Lab Sample ID:	F27281-5	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015083.D	1	10/12/04	RM	n/a	n/a	GUV885
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	87%		70-130%
460-00-4	BFB	93%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11D		
Lab Sample ID:	F27281-5	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19195.D	1	10/11/04	SKW	10/11/04	OP11531	GDD588
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW11D		
Lab Sample ID:	F27281-5	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15414.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	150	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	70%		40-140%
580-13-2	2-Bromonaphthalene	90%		40-140%
84-15-1	o-Terphenyl	85%		40-140%
321-60-8	2-Fluorobiphenyl	104%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW6		
Lab Sample ID:	F27281-6	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024937.D	1	10/14/04	RA	n/a	n/a	GQR1106
Run #2	QR024966.D	10	10/15/04	RA	n/a	n/a	GQR1108

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	5.2	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	54.6	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	393 [a]	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW6		
Lab Sample ID:	F27281-6	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	1880 [a]	30	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	99%	103%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	105%	107%	70-123%
563-58-6	1,1-Dichloropropene	100%	99%	86-112%
563-58-6	1,1-Dichloropropene	106%	108%	86-112%

(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:	UST1613-HPGW6		
Lab Sample ID:	F27281-6	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015093.D	10	10/13/04	RM	n/a	n/a	GUV886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	543	750	500	ug/l	J
	C9- C12 Aliphatics (Unadj.)	2850	550	300	ug/l	
	C9- C10 Aromatics (Unadj.)	1900	200	100	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	101%		70-130%
460-00-4	BFB	108%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW6		
Lab Sample ID:	F27281-6	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19197.D	1	10/11/04	SKW	10/11/04	OP11531	GDD588
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW6		
Lab Sample ID:	F27281-6	Date Sampled:	10/06/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15422.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	231	200	150	ug/l	
	C9-C18 Aliphatics	560	200	200	ug/l	
	C19-C36 Aliphatics	ND	200	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	76%		40-140%
580-13-2	2-Bromonaphthalene	67%		40-140%
84-15-1	o-Terphenyl	90%		40-140%
321-60-8	2-Fluorobiphenyl	96%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW18		
Lab Sample ID:	F27281-7	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR024941.D	1	10/14/04	RA	n/a	n/a	GQR1106
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	3.4	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.4	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW18		
Lab Sample ID:	F27281-7	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	84.6	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	103%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	103%		86-112%

(a) All hits confirmed by GC/MS.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW18		
Lab Sample ID:	F27281-7	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015097.D	1	10/13/04	RM	n/a	n/a	GUV886
Run #2	UV015109.D	2	10/14/04	RM	n/a	n/a	GUV887

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	408	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	641	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	428 [a]	40	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	101%	92%	70-130%
460-00-4	BFB	109%	98%	70-130%

(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:	UST1613-MW18		
Lab Sample ID:	F27281-7	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19198.D	1	10/11/04	SKW	10/11/04	OP11531	GDD588
Run #2							

	Initial Volume	Final Volume
Run #1	36.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW18		
Lab Sample ID:	F27281-7	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15415.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	210	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	53%		40-140%
580-13-2	2-Bromonaphthalene	69%		40-140%
84-15-1	o-Terphenyl	78%		40-140%
321-60-8	2-Fluorobiphenyl	100%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW17		
Lab Sample ID:	F27281-8	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024944.D	10	10/14/04	RA	n/a	n/a	GQR1106
Run #2	QR024967.D	50	10/15/04	RA	n/a	n/a	GQR1108

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	113	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
74-83-9	Bromomethane	ND	10	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-00-3	Chloroethane	ND	10	5.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	10	5.0	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	5.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	377	10	5.0	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.0	ug/l	
108-88-3	Toluene	1920 [a]	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
79-01-6	Trichloroethene	ND	10	5.0	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:	UST1613-MW17		
Lab Sample ID:	F27281-8	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	10	5.0	ug/l	
1330-20-7	Xylenes (total)	2670 [a]	150	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	101%	102%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	104%	104%	70-123%
563-58-6	1,1-Dichloropropene	102%	99%	86-112%
563-58-6	1,1-Dichloropropene	103%	106%	86-112%

(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:	UST1613-MW17		
Lab Sample ID:	F27281-8	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015095.D	1	10/13/04	RM	n/a	n/a	GUV886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	38.8	55	30	ug/l	J
	C9- C10 Aromatics (Unadj.)	28.1	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	94%		70-130%
460-00-4	BFB	100%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW17		
Lab Sample ID:	F27281-8	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19199.D	1	10/11/04	SKW	10/11/04	OP11531	GDD588
Run #2							

	Initial Volume	Final Volume
Run #1	36.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW17		
Lab Sample ID:	F27281-8	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15417.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	337	190	140	ug/l	
	C9-C18 Aliphatics	553	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	60%		40-140%
580-13-2	2-Bromonaphthalene	86%		40-140%
84-15-1	o-Terphenyl	73%		40-140%
321-60-8	2-Fluorobiphenyl	95%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW19		
Lab Sample ID:	F27281-9	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024942.D	1	10/14/04	RA	n/a	n/a	GQR1106
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.62	1.0	0.50	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW19		
Lab Sample ID:	F27281-9	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	2.1	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	106%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW19		
Lab Sample ID:	F27281-9	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015096.D	1	10/13/04	RM	n/a	n/a	GUV886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	94%		70-130%
460-00-4	BFB	102%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW19		
Lab Sample ID:	F27281-9	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19200.D	1	10/11/04	SKW	10/11/04	OP11531	GDD588
Run #2							

	Initial Volume	Final Volume
Run #1	36.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW19		
Lab Sample ID:	F27281-9	Date Sampled:	10/07/04
Matrix:	AQ - Ground Water	Date Received:	10/08/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15418.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	63%		40-140%
580-13-2	2-Bromonaphthalene	68%		40-140%
84-15-1	o-Terphenyl	77%		40-140%
321-60-8	2-Fluorobiphenyl	89%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100704		
Lab Sample ID:	F27281-10	Date Sampled:	10/07/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR024943.D	1	10/14/04	RA	n/a	n/a	GQR1106
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100704		
Lab Sample ID:	F27281-10	Date Sampled:	10/07/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/08/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	96%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	106%		86-112%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F27281

COC Number:
110385-1613-100704

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 1613	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
110385	Mark Martin	FSSI	
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	601/602 W/PE, MTBEand Xylenes	MADEP EPH	MADEP VPH	EDB
1	UST1613-MW09	10/6/04	10:30		X	UST1613-MW09	11	X	X	X	X
2	UST1613-MW12	10/6/04	11:45		X	UST1613-MW12	11	X	X	X	X
3	UST1613-MW03	10/6/04	12:00		X	UST1613-MW03	11	X	X	X	X
4	UST1613-MW11	10/6/04	14:45		X	UST1613-MW11	11	X	X	X	X
5	UST1613-MW11D	10/6/04	14:45		X	UST1613-MW11 Dup	11	X	X	X	X
6	UST1613-HPGW6	10/6/04	16:15		X	UST1613-HPGW6	11	X	X	X	X
7	UST1613-MW18	10/7/04	13:00		X	UST1613-MW18	11	X	X	X	X
8	UST1613-MW17	10/7/04	13:45		X	UST1613-MW17	11	X	X	X	X
9	UST1613-MW19	10/7/04	14:30		X	UST1613-MW19	11	X	X	X	X
10	UST1613-TB-100704	10/7/04	—		X	Trip Blank	2	X			

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 – 10		FedEx 8481 5070 3182	10/7/04	16:00
2				10/8/04	09:00
3					

Remarks

- PLEASE FAX RESULTS TO 910-451-1809 or e-mail, Mark.Martin@shawgrp.com

14 Day TAT

F27281: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F27281

Client: SHAW E+I Project: Camp Lejeune Bldg 1613

Date Received: 10-8-04 Time Received: 0911

# of Coolers Received: 2 Cooler Temperatures: 3.2 2.6

Delivery Method: (FedEx) UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	(Yes)	No	
Trip Blank on COC ?	(Yes)	No	
Trip Blank Intact ?	(Yes)	No	
Trip Blank Matrix ?	Soil	(Water)	N/A
Number of Encores ?	Ø		
Number of Soil Field Kits ?	6		

Summary of Comments:

Signature: Carlos Ay Date: 10-8-04

Review Signature:

ASBD/HW 05/11/03

F27281: Chain of Custody
Page 2 of 2

Southeast
ACCUTEST.
Laboratories

11/09/04

Technical Report for

Field Support Service Inc

Camp Lejeune-Bldg 1613/ FSSI

110385

Accutest Job Number: F27308

Sampling Date: 10/08/04

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 87

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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.

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Sample Summary

Field Support Service Inc

Job No: F27308

Camp Lejeune-Bldg 1613/ FSSI
Project No: 110385

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F27308-1	10/08/04	13:00	MM	10/09/04	AQ	Ground Water	UST1613-MW10
F27308-2	10/08/04	14:00	MM	10/09/04	AQ	Ground Water	UST1613-MW16
F27308-3	10/08/04	15:00	MM	10/09/04	AQ	Ground Water	UST1613-MW14
F27308-4	10/08/04	00:00	MM	10/09/04	AQ	Trip Blank Water	UST1613-TB-100804

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW10		
Lab Sample ID:	F27308-1	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024971.D	1	10/15/04	RA	n/a	n/a	GQR1108
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.4	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW10		
Lab Sample ID:	F27308-1	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	98%		70-123%
563-58-6	1,1-Dichloropropene	100%		86-112%
563-58-6	1,1-Dichloropropene	105%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW10		
Lab Sample ID:	F27308-1	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015101.D	1	10/13/04	RM	n/a	n/a	GUV886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	89%		70-130%
460-00-4	BFB	96%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW10		
Lab Sample ID:	F27308-1	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19273.D	1	10/15/04	SKW	10/15/04	OP11568	GDD592
Run #2							

	Initial Volume	Final Volume
Run #1	35.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0099	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW10		
Lab Sample ID:	F27308-1	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15419.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	202	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	66%		40-140%
580-13-2	2-Bromonaphthalene	75%		40-140%
84-15-1	o-Terphenyl	84%		40-140%
321-60-8	2-Fluorobiphenyl	101%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW16		
Lab Sample ID:	F27308-2	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024975.D	1	10/15/04	RA	n/a	n/a	GQR1108
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	17.9	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW16		
Lab Sample ID:	F27308-2	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	105%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW16		
Lab Sample ID:	F27308-2	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015102.D	1	10/13/04	RM	n/a	n/a	GUV886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	87%		70-130%
460-00-4	BFB	95%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW16		
Lab Sample ID:	F27308-2	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19274.D	1	10/15/04	SKW	10/15/04	OP11568	GDD592
Run #2							

	Initial Volume	Final Volume
Run #1	36.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW16		
Lab Sample ID:	F27308-2	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15420.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	69%		40-140%
580-13-2	2-Bromonaphthalene	50%		40-140%
84-15-1	o-Terphenyl	72%		40-140%
321-60-8	2-Fluorobiphenyl	84%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW14		
Lab Sample ID:	F27308-3	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR024976.D	1	10/15/04	RA	n/a	n/a	GQR1108
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	9.0	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.76	1.0	0.50	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	32.5	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW14		
Lab Sample ID:	F27308-3	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
563-58-6	1,1-Dichloropropene	98%		86-112%
563-58-6	1,1-Dichloropropene	104%		86-112%

(a) All hits confirmed by GC/MS.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW14		
Lab Sample ID:	F27308-3	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015103.D	1	10/13/04	RM	n/a	n/a	GUV886
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	93%		70-130%
460-00-4	BFB	99%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW14		
Lab Sample ID:	F27308-3	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19275.D	1	10/15/04	SKW	10/15/04	OP11568	GDD592
Run #2							

	Initial Volume	Final Volume
Run #1	37.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-MW14		
Lab Sample ID:	F27308-3	Date Sampled:	10/08/04
Matrix:	AQ - Ground Water	Date Received:	10/09/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15421.D	1	11/04/04	SM	10/20/04	OP11604	GZF706
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	75%		40-140%
580-13-2	2-Bromonaphthalene	71%		40-140%
84-15-1	o-Terphenyl	79%		40-140%
321-60-8	2-Fluorobiphenyl	91%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100804		
Lab Sample ID:	F27308-4	Date Sampled:	10/08/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/09/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024977.D	1	10/15/04	RA	n/a	n/a	GQR1108
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-TB-100804		
Lab Sample ID:	F27308-4	Date Sampled:	10/08/04
Matrix:	AQ - Trip Blank Water	Date Received:	10/09/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
563-58-6	1,1-Dichloropropene	98%		86-112%
563-58-6	1,1-Dichloropropene	104%		86-112%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F27308

COC Number:
110385-1613-100804

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 1613	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
110385	Mark Martin	FSSI	
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	601/602 WIPE, MTBEand Xylenes	MADEP EPH	MADEP VPH	EDB
1	UST1613-MW10	10/8/04	13:00		X	UST1613-MW10	11	X	X	X	X
2	UST1613-MW16	10/8/04	14:00		X	UST1613-MW16	11	X	X	X	X
3	UST1613-MW14	10/8/04	15:00		X	UST1613-MW14	11	X	X	X	X
4	UST1613-TB-100804	10/8/04			X	Trip Blank	2	X			
5											
6											
7											
8											
9											
10											

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 – 4		FedEx 8481 5070 8287	10/8/04	16:00	- PLEASE FAX RESULTS TO 910-451-1809
2				10.9.04	09:00	or e-mail, Mark.Martin@shawgrp.com
3						14 Day TAT

3-2

F27308: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F27308

Client: SHAW E&I Project: CAMP LEJEUNE Bldg 103

Date Received: 10-9-04 Time Received: 0915

# of Coolers Received: 1 Cooler Temperatures: 3.2

Delivery Method: (FedEx) UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	(Yes)	No	
Trip Blank on COC ?	(Yes)	No	
Trip Blank Intact ?	(Yes)	No	N/A
Trip Blank Matrix ?	Soil	(Water)	N/A
Number of Encores ?	Ø		
Number of Soil Field Kits ?	Ø		

Summary of Comments:

Signature: Carlos A Date: 10-9-04

Review Signature:

ASBD/HW 05/11/03

F27308: Chain of Custody
Page 2 of 2

Southeast
ACCUTEST.
Laboratories

11/11/04

Technical Report for

Field Support Service Inc

Camp Lejeune-Bldg 1613/ FSSI

110385

Accutest Job Number: F27394

Sampling Date: 10/11/04

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 73

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

Field Support Service Inc

Job No: F27394

Camp Lejeune-Bldg 1613/ FSSI
Project No: 110385

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F27394-1	10/11/04	15:00	MM	10/13/04	AQ	Ground Water	UST1613-HPGW7
F27394-2	10/11/04	15:30	MM	10/13/04	AQ	Ground Water	UST1613-HPGW5

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW7		
Lab Sample ID:	F27394-1	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024978.D	1	10/15/04	RA	n/a	n/a	GQR1108
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW7		
Lab Sample ID:	F27394-1	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	105%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW7		
Lab Sample ID:	F27394-1	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015148.D	1	10/21/04	RM	n/a	n/a	GUV890
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	94%		70-130%
460-00-4	BFB	99%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW7		
Lab Sample ID:	F27394-1	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19733.D	1	10/25/04	SKW	10/23/04	OP11635	GDD602
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW7		
Lab Sample ID:	F27394-1	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15501.D	1	11/10/04	SM	10/25/04	OP11644	GZF711
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	70%		40-140%
580-13-2	2-Bromonaphthalene	82%		40-140%
84-15-1	o-Terphenyl	90%		40-140%
321-60-8	2-Fluorobiphenyl	92%		40-140%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW5		
Lab Sample ID:	F27394-2	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR024979.D	1	10/15/04	RA	n/a	n/a	GQR1108
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
74-83-9	Bromomethane	ND	1.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-00-3	Chloroethane	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW5		
Lab Sample ID:	F27394-2	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	EPA 601/602	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
563-58-6	1,1-Dichloropropene	99%		86-112%
563-58-6	1,1-Dichloropropene	104%		86-112%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW5		
Lab Sample ID:	F27394-2	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	MADEP VPH	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV015149.D	1	10/21/04	RM	n/a	n/a	GUV890
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	75	50	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	55	30	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	93%		70-130%
460-00-4	BFB	98%		70-130%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW5		
Lab Sample ID:	F27394-2	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	EPA 504.1 EPA 504	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD19734.D	1	10/25/04	SKW	10/23/04	OP11635	GDD602
Run #2							

	Initial Volume	Final Volume
Run #1	36.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		60-139%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	UST1613-HPGW5		
Lab Sample ID:	F27394-2	Date Sampled:	10/11/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	MADEP-EPH-98-1 SW846 3510C	Percent Solids:	n/a
Project:	Camp Lejeune-Bldg 1613/ FSSI		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZF15502.D	1	11/10/04	SM	10/25/04	OP11644	GZF711
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	190	140	ug/l	
	C9-C18 Aliphatics	ND	190	190	ug/l	
	C19-C36 Aliphatics	ND	190	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	71%		40-140%
580-13-2	2-Bromonaphthalene	69%		40-140%
84-15-1	o-Terphenyl	87%		40-140%
321-60-8	2-Fluorobiphenyl	92%		40-140%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F27394

COC Number:
110385-1613-101104

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

Shaw E & I - Piney Green Rd. Lot 203 Bld 626 - 910-451-2390

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 1613	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
110385	Mark Martin	FSSI	
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Ron Kenyon		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	601/602 WIPE, MTBE and Xylenes	MADEP EPH	MADEP VPH	EDB
1	UST1613-HPGW7	10/11/04	15:30		X	UST1613-HPGW7	11	X	X	X	X
2	UST1613-HPGW5	10/11/04	15:00		X	UST1613-HPGW5	11	X	X	X	X
3	UST1613-TB-101104	10/11/04	—		X	Trip Blank	2	X			
4											
5											
6											
7											
8											
9											
10											

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 – 3		FedEx 8481 5073 4571	10/12/04	16:00
2		BK		10-13-04	9:00
3					

Remarks

- PLEASE FAX RESULTS TO 910-451-1809 or e-mail, Mark.Martin@shawgrp.com

14 Day TAT

2.3
2.4

F27394: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F27394

Client: Shaw E&I Project: Camp LeJeune - Bldg 1613

Date Received: 10-13-04 Time Received: 9:00

# of Coolers Received: 3 Cooler Temperatures: 2.3, 2.8, 2.0

Delivery Method: (FedEx) UPS Accutest Courier Greyhound Delivery Other

Air Bill Number: 648150734571

Cooler Custody Seals Intact ?	(Yes)	No
Chain of Custody Provided ?	(Yes)	No
COC Match Bottle Label ID's ?	(Yes)	No
Sample Labels Present on all bottles ?	(Yes)	No
All Analyses Marked On COC ?	(Yes)	No
Are All Bottles Intact ?	(Yes)	No
Samples Preserved Correctly ?	(Yes)	No
Correct Number of Containers Used ?	(Yes)	No
Sufficient Sample Volume ?	(Yes)	No
Trip Blank Provided ?	Yes	(No)
Trip Blank on COC ?	(Yes)	(No) SPC
Trip Blank Intact ?	Yes	No (N/A)
Trip Blank Matrix ?	Soil	Water (N/A)
Number of Encores ?	0	
Number of Soil Field Kits ?	0	

Summary of Comments: Did not recieve Trip Blank. and Sample 1 (HPGW7) is actualy Sample 2 (HPGW5) and vice versa. L@1500 15:30

Signature: Steven Ertum Date: 10-13-04

Review Signature:

ASBD/HW 05/11/03

F27394: Chain of Custody
Page 2 of 2

ACCUTEST Laboratories F27394

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **HPGW-5**

		Event:	2004-4	
		Date Sampled	10/11/04	
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	
EPA 601/602/624				
Benzene	1	5000	<1.0	
1,2-Dichlorobenzene	620	72500	<1.0	
1,3-Dichlorobenzene	620	61500	<1.0	
1,4-Dichlorobenzene	75	39500	<1.0	
Ethylbenzene	29	29000	<1.0	
Methylene chloride	5	5000		
Toluene	1000	257500	<1.0	
Methyl tert-butyl ether	200	200000	<1.0	
Xylenes (total)	530	87500	<3.0	
Total BTEX			**0**	
MADEP VPH				
C5-C8 Aliphatics (Unadj.)	420	NS	<75	
C9-C12 Aliphatics (Unadj.)	NS	NS	<55	
C9-C10 Aromatics (Unadj.)	NS	NS	<20	
MADEP EPH				
C11-C22 Aromatics (Unadj.)	210	NS	<190	
C9-C18 Aliphatics	4200	NS	<190	
C19-C36 Aliphatics	42000	NS	<190	
EPA 504.1				
1,2-Dibromoethane	0.0004	50	<0.019	
Bold type indicates detectable concentrations.				
Shaded area indicates detectable concentrations above 2L GWQS				

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **HPGW-6**

		Event:	2000-3	2001-2	2001-4	2002-2	2002-4	2003-2	2003-4	2004-2	2004-4
		Date Sampled	09/26/00	06/30/01	12/19/01	06/25/02	12/17/02	06/21/03	12/28/03	06/24/04	10/6/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624											
Benzene	1	5000	**170**	**430**	**583**	**61**	**2.4**	**183**	**5.5**	**63.4**	**5.2**
1,2-Dichlorobenzene	620	72500	<40	<250	<10	<20	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	<40	<250	<10	<20	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	<40	<250	<10	<20	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	**336**	**430**	**241**	**96.7**	**19.5**	**169**	**4.5**	**52.7**	**54.6**
Methylene chloride	5	5000	N/A	N/A	N/A	<100	N/A	N/A	N/A	<5.0	N/A
Toluene	1000	257500	**2040**	**3100**	**2460**	**669**	**62.1**	**443**	**27.3**	**60.8**	**393**
Methyl tert-butyl ether	200	200000	**38.9 J**	<1200	**15.8**	<20	**2.3**	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	87500	**4620**	**4800**	**2860**	**2380**	**412**	**1310**	**76.1**	**1040**	**1880**
Total BTEX			**7166**	**8760**	**6144**	**3206.7**	**496**	**2105**	**113.4**	**1216.9**	**2332.8**
EPA 610											
Acenaphthene	80	2120	<5.0	<1	<20	<20	<5.3	<5.1	<5.2	<5.0	N/A
Acenaphthylene	210	1965	<5.0	<1	<20	<20	<5.3	<5.1	<5.2	<5.0	N/A
Anthracene	2100	2100	<5.0	<1	<20	<20	<5.3	<5.1	<5.2	<5.0	N/A
Benzo(a)anthracene	0.05	22	<5.0	<0.1	<20	<20	<5.3	<5.1	<5.2	<5.0	N/A
Fluoranthene	280	280	<5.0	<0.2	<20	<20	<5.3	<5.1	<5.2	<5.0	N/A
Fluorene	280	950	<5.0	**0.8 J**	<20	<20	<5.3	<5.1	<5.2	<5.0	N/A
Naphthalene	21	15500	**114**	**43**	**34.9**	**60.3**	**15.6**	**47.8**	<5.2	**30.2**	N/A
Phenanthrene	210	410	<5.0	<1	<20	<20	<5.3	<5.1	<5.2	<5.0	N/A
Pyrene	210	210	<5.0	<0.1	<20	<20	<5.3	<5.1	<5.2	<5.0	N/A
MADEP VPH											
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**543 J**
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**2850**
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**1900**
MADEP EPH											
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**231**
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**560**
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<200
EPA 504.1											
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
Bold type indicates detectable concentrations.											
Shaded area indicates detectable concentrations above 2L GWQS											

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **HPGW-7**

		Event:	2004-4	
		Date Sampled	10/11/04	
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	
EPA 601/602/624				
Benzene	1	5000	<1.0	
1,2-Dichlorobenzene	620	72500	<1.0	
1,3-Dichlorobenzene	620	61500	<1.0	
1,4-Dichlorobenzene	75	39500	<1.0	
Ethylbenzene	29	29000	<1.0	
Methylene chloride	5	5000		
Toluene	1000	257500	<1.0	
Methyl tert-butyl ether	200	200000	<1.0	
Xylenes (total)	530	87500	<3.0	
Total BTEX			**0**	
MADEP VPH				
C5-C8 Aliphatics (Unadj.)	420	NS	<75	
C9-C12 Aliphatics (Unadj.)	NS	NS	<55	
C9-C10 Aromatics (Unadj.)	NS	NS	<20	
MADEP EPH				
C11-C22 Aromatics (Unadj.)	210	NS	<190	
C9-C18 Aliphatics	4200	NS	<190	
C19-C36 Aliphatics	42000	NS	<190	
EPA 504.1				
1,2-Dibromoethane	0.0004	50	<0.019	
Bold type indicates detectable concentrations.				
Shaded area indicates detectable concentrations above 2L GWQS				

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-1**

		Event:	1998-3	1999-1	1999-2	1999-3	1999-4	2000-2	2000-3	2000-4	2004-4
		Date Sampled	9/28/98 & 10/09/98	03/05/99	05/21/99	08/10/99	11/21/99	05/23/00	09/24/00	12/10/00	09/30/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624											
Benzene	1	5000	<1.0	<1.0	**2.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	<1.0	<1.0	**4.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	5	5000	**0.83 J**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	N/A	N/A
Toluene	1000	257500	<1.0	<1.0	**25**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl tert-butyl ether	200	200000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0
Xylenes (total)	530	87500	<1.0	<1.0	<27	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
Total BTEX					**32.8**						**0**
EPA 610											
Acenaphthene	80	2120	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	N/A
Acenaphthylene	210	1965	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	N/A
Anthracene	2100	2100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	N/A
Benzo(a)anthracene	0.05	22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.13**	N/A
Fluoranthene	280	280	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	N/A
Fluorene	280	950	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	N/A
Naphthalene	21	15500	<2.0	<2.0	**27**	<2.0	<2.0	<2.0	<2.0	<2.0	N/A
Phenanthrene	210	410	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	N/A
Pyrene	210	210	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	N/A
MADEP VPH											
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<55
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<20
MADEP EPH											
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1											
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
	Bold type indicates detectable concentrations.										
	Shaded area indicates detectable concentrations above 2L GWQS										

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-2**

		Event:	1998-3	1999-1	1999-2	1999-3	1999-4	2000-2	2000-3	2000-4	2004-4
		Date Sampled	9/28/98 & 10/09/98	03/05/99	05/21/99	08/10/99	11/21/99	05/23/00	09/24/00	12/10/00	09/30/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624											
Benzene	1	5000	<1.0	**2.5**	**2.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	72500	**0.22 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	**0.68 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	**0.49 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	<1.0	**2.4**	**4.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	5	5000	**0.94 J**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	N/A	N/A
Toluene	1000	257500	<1.0	**15**	**22**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl tert-butyl ether	200	200000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0
Xylenes (total)	530	87500	<1.0	**13**	**26**	**1.9**	<1.0	<1.0	<1.0	<1.0	<3.0
Total BTEX				**32.9**	**55.2**	**1.9**					**0**
EPA 610											
Acenaphthene	80	2120	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	N/A
Acenaphthylene	210	1965	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	N/A
Anthracene	2100	2100	**0.55 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	N/A
Benzo(a)anthracene	0.05	22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.14**	N/A
Fluoranthene	280	280	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	N/A
Fluorene	280	950	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	N/A
Naphthalene	21	15500	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	N/A
Phenanthrene	210	410	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	N/A
Pyrene	210	210	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	N/A
MADEP VPH											
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<55
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<20
MADEP EPH											
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1											
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
	Bold type indicates detectable concentrations.										
	Shaded area indicates detectable concentrations above 2LGWQS										

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-3**

		Event:	2000-3	2004-4		
		Date Sampled	09/26/00	10/06/04		
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	<1.0	<1.0		
1,2-Dichlorobenzene	620	72500	<1.0	<1.0		
1,3-Dichlorobenzene	620	61500	<1.0	<1.0		
1,4-Dichlorobenzene	75	39500	<1.0	<1.0		
Ethylbenzene	29	29000	<1.0	**1.0**		
Methylene chloride	5	5000	<1.0	N/A		
Toluene	1000	257500	<1.0	**1.4**		
Methyl tert-butyl ether	200	200000	<1.0	<1.0		
Xylenes (total)	530	87500	<3.0	**3.9**		
Total BTEX				**6.3**		
EPA 610						
Acenaphthene	80	2120	<5.0	N/A		
Acenaphthylene	210	1965	<5.0	N/A		
Anthracene	2100	2100	<5.0	N/A		
Benzo(a)anthracene	0.05	22	<5.0	N/A		
Fluoranthene	280	280	<5.0	N/A		
Fluorene	280	950	<5.0	N/A		
Naphthalene	21	15500	<5.0	N/A		
Phenanthrene	210	410	<5.0	N/A		
Pyrene	210	210	<5.0	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	<75		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	<55		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	<20		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	<190		
C9-C18 Aliphatics	4200	NS	N/A	<190		
C19-C36 Aliphatics	42000	NS	N/A	<190		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.019		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-4**

		Event:	1999-4	2000-3	2004-4	
		Date Sampled	11/21/99	09/24/00	10/01/04	
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	
EPA 601/602/624						
Benzene	1	5000	<1.0	<1.0	<1.0	
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	
1,3-Dichlorobenzene	620	61500	<1.0	<1.0	<1.0	
1,4-Dichlorobenzene	75	39500	<1.0	<1.0	<1.0	
Ethylbenzene	29	29000	<1.0	<1.0	<1.0	
Methylene chloride	5	5000	<5.0	<1.0	N/A	
Toluene	1000	257500	<1.0	<1.0	<1.0	
Methyl tert-butyl ether	200	200000	<5.0	<1.0	<1.0	
Xylenes (total)	530	87500	<1.0	<3.0	<3.0	
Total BTEX					**0**	
EPA 610						
Acenaphthene	80	2120	<2.0	<5.0	N/A	
Acenaphthylene	210	1965	<2.0	<5.0	N/A	
Anthracene	2100	2100	<1.0	<5.0	N/A	
Benzo(a)anthracene	0.05	22	<0.1	<5.0	N/A	
Fluoranthene	280	280	<0.5	<5.0	N/A	
Fluorene	280	950	<2.0	<5.0	N/A	
Naphthalene	21	15500	<2.0	<5.0	N/A	
Phenanthrene	210	410	<1.0	<5.0	N/A	
Pyrene	210	210	<0.5	<5.0	N/A	
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	<75	
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	<55	
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	<20	
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	<190	
C9-C18 Aliphatics	4200	NS	N/A	N/A	<190	
C19-C36 Aliphatics	42000	NS	N/A	N/A	<190	
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	N/A	<0.019	
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-5**

		Event:	1998-3	1999-1	1999-2	1999-3	1999-4	2000-2	2000-3S	2000-3A	2000-4	2004-4
		Date Sampled	9/28/98 & 10/09/98	03/05/99	05/21/99	08/10/99	11/21/99	05/23/00	09/24/00	09/24/00	12/10/00	09/30/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624												
Benzene	1	5000	<1.0	<1.0	**5.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	**0.40 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	**0.33 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	<1.0	**1.6**	**8.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	5	5000	**0.85 J**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	N/A	N/A	N/A
Toluene	1000	257500	<1.0	**8**	**42**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl tert-butyl ether	200	200000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0
Xylenes (total)	530	87500	<1.0	**8.6**	**50**	**1.1**	<1.0	<1.0	<1.0	<3.0	<1.0	<3.0
Total BTEX				**18.2**	**106.2**	**1.1**						**0**
EPA 610												
Acenaphthene	80	2120	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	N/A
Acenaphthylene	210	1965	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	N/A
Anthracene	2100	2100	**0.55 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<2.0	N/A
Benzo(a)anthracene	0.05	22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<0.1	N/A
Fluoranthene	280	280	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	N/A
Fluorene	280	950	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	N/A
Naphthalene	21	15500	<2.0	<2.0	**2.7**	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	N/A
Phenanthrene	210	410	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	N/A
Pyrene	210	210	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	N/A
MADEP VPH												
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<55
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<20
MADEP EPH												
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1												
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
			Bold type indicates detectable concentrations.									
			Shaded area indicates detectable concentrations above 2L GWQS									

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **1613-6**

		Event:	1998-3	1999-1	1999-2	1999-3	1999-4	2000-2	2000-3S	2000-3A
		Date Sampled	9/28/98 & 10/09/98	03/05/99	05/21/99	08/10/99	11/21/99	05/23/00	09/24/00	09/24/00
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624										
Benzene	1	5000	<1.0	**1.9**	**4**	**1.1**	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	**0.56 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	<1.0	**2**	**5.6**	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	5	5000	**0.62 J**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	N/A
Toluene	1000	257500	<1.0	**12**	**29**	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl tert-butyl ether	200	200000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0
Xylenes (total)	530	87500	<1.0	**12**	**33**	<1.0	<1.0	<1.0	<1.0	<3.0
Total BTEX				**27.9**	**71.6**	**1.1**				
EPA 610										
Acenaphthene	80	2120	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0
Acenaphthylene	210	1965	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0
Anthracene	2100	2100	**0.55 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Benzo(a)anthracene	0.05	22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0
Fluoranthene	280	280	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Fluorene	280	950	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0
Naphthalene	21	15500	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0
Phenanthrene	210	410	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Pyrene	210	210	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MADEP VPH										
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MADEP EPH										
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EPA 504.1										
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			Bold type indicates detectable concentrations.							
			Shaded area indicates detectable concentrations above 2L GWQS							

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **1613-6**

		2000-4	2001-2	2001-4	2002-2	2002-4	2003-2	2003-4	2004-2	2004-4
		12/10/00	06/30/01	12/19/01	06/25/02	12/17/02	06/21/03	12/28/03	06/24/04	09/30/04
Analyte (ug/l)	**2L GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624										
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	**0.64 J**	<1.0	<1.0	<1.0
Methylene chloride	5	N/A	N/A	N/A	<5.0	N/A	N/A	N/A	<5.0	N/A
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	**2.5**	<1.0	**0.81 J**	<1.0
Methyl tert-butyl ether	200	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	<1.0	<1.0	<3.0	<3.0	<3.0	**4.2**	<3.0	<3.0	<3.0
Total BTEX							**7.34**		**0.81**	**0**
EPA 610										
Acenaphthene	80	<2.0	<1.0	<5.0	<5.1	<5.2	<5.1	<5.0	<5.0	N/A
Acenaphthylene	210	<2.0	<1.0	<5.0	<5.1	<5.2	<5.1	<5.0	<5.0	N/A
Anthracene	2100	<2.0	<1.0	<5.0	<5.1	<5.2	<5.1	<5.0	<5.0	N/A
Benzo(a)anthracene	0.05	**0.11**	<0.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.0	N/A
Fluoranthene	280	<5.0	<0.2	<5.0	<5.1	<5.2	<5.1	<5.0	<5.0	N/A
Fluorene	280	<2.0	<2.0	<5.0	<5.1	<5.2	<5.1	<5.0	<5.0	N/A
Naphthalene	21	<2.0	<2.0	<5.0	<5.1	<5.2	**2.2 J**	<5.0	<5.0	N/A
Phenanthrene	210	<1.0	<1.0	<5.0	<5.1	<5.2	<5.1	<5.0	<5.0	N/A
Pyrene	210	<0.5	<0.1	<5.0	<5.1	<5.2	<5.1	<5.0	<5.0	N/A
MADEP VPH										
C5-C8 Aliphatics (Unadj.)	420	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<55
C9-C10 Aromatics (Unadj.)	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<20
MADEP EPH										
C11-C22 Aromatics (Unadj.)	210	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C9-C18 Aliphatics	4200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1										
1,2-Dibromoethane	0.0004	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.020
		Bold type indicates detectable concentrations.								
		Shaded area indicates detectable concentrations above 2L GWQS								

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-7**

		Event:	2000-3	2004-4		
		Date Sampled	09/26/00	09/30/04		
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	<1.0	<1.0		
1,2-Dichlorobenzene	620	72500	<1.0	<1.0		
1,3-Dichlorobenzene	620	61500	<1.0	<1.0		
1,4-Dichlorobenzene	75	39500	<1.0	<1.0		
Ethylbenzene	29	29000	<1.0	<1.0		
Methylene chloride	5	5000	N/A	N/A		
Toluene	1000	257500	<1.0	<1.0		
Methyl tert-butyl ether	200	200000	<1.0	<1.0		
Xylenes (total)	530	87500	<3.0	<3.0		
Total BTEX				**0**		
EPA 610						
Acenaphthene	80	2120	<5.0	N/A		
Acenaphthylene	210	1965	<5.0	N/A		
Anthracene	2100	2100	<5.0	N/A		
Benzo(a)anthracene	0.05	22	<5.0	N/A		
Fluoranthene	280	280	<5.0	N/A		
Fluorene	280	950	<5.0	N/A		
Naphthalene	21	15500	<5.0	N/A		
Phenanthrene	210	410	<5.0	N/A		
Pyrene	210	210	<5.0	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	<75		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	<55		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	<20		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	<190		
C9-C18 Aliphatics	4200	NS	N/A	<190		
C19-C36 Aliphatics	42000	NS	N/A	<190		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.019		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-8**

		Event:	2000-3	2004-4		
		Date Sampled	09/25/00	10/01/04		
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	<1.0	<1.0		
1,2-Dichlorobenzene	620	72500	<1.0	<1.0		
1,3-Dichlorobenzene	620	61500	<1.0	<1.0		
1,4-Dichlorobenzene	75	39500	<1.0	<1.0		
Ethylbenzene	29	29000	<1.0	<1.0		
Methylene chloride	5	5000	N/A	N/A		
Toluene	1000	257500	<1.0	<1.0		
Methyl tert-butyl ether	200	200000	<1.0	<1.0		
Xylenes (total)	530	87500	<3.0	<3.0		
Total BTEX				**0**		
EPA 610						
Acenaphthene	80	2120	<5.0	N/A		
Acenaphthylene	210	1965	<5.0	N/A		
Anthracene	2100	2100	<5.0	N/A		
Benzo(a)anthracene	0.05	22	<5.0	N/A		
Fluoranthene	280	280	<5.0	N/A		
Fluorene	280	950	<5.0	N/A		
Naphthalene	21	15500	<5.0	N/A		
Phenanthrene	210	410	<5.0	N/A		
Pyrene	210	210	<5.0	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	<75		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	<55		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	<20		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	<210		
C9-C18 Aliphatics	4200	NS	N/A	<210		
C19-C36 Aliphatics	42000	NS	N/A	<210		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.020		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-9**

		Event:	2000-3	2004-4		
		Date Sampled	09/26/00	10/6/04		
Analyte (ug/l)	**Action Level**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	<1.0	<1.0		
1,2-Dichlorobenzene	620	72500	<1.0	<1.0		
1,3-Dichlorobenzene	620	61500	<1.0	<1.0		
1,4-Dichlorobenzene	75	39500	<1.0	<1.0		
Ethylbenzene	29	29000	<1.0	**1.3**		
Methylene chloride	5	5000	N/A	N/A		
Toluene	1000	257500	<1.0	**1.8**		
Methyl tert-butyl ether	200	200000	<1.0	<1.0		
Xylenes (total)	530	87500	<3.0	**4.8**		
Total BTEX				**7.9**		
EPA 610						
Acenaphthene	80	2120	<5.0	N/A		
Acenaphthylene	210	1965	<5.0	N/A		
Anthracene	2100	2100	<5.0	N/A		
Benzo(a)anthracene	0.05	22	<5.0	N/A		
Fluoranthene	280	280	<5.0	N/A		
Fluorene	280	950	<5.0	N/A		
Naphthalene	21	15500	<5.0	N/A		
Phenanthrene	210	410	<5.0	N/A		
Pyrene	210	210	<5.0	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	<75		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	<55		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	<20		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	<190		
C9-C18 Aliphatics	4200	NS	N/A	<190		
C19-C36 Aliphatics	42000	NS	N/A	<190		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.019		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **1613-10**

		Event:	1998-3	1999-1	1999-2	1999-3	1999-4	2000-2	2000-3S	2000-3A
		Date Sampled	9/28/98 & 10/09/98	03/05/99	05/21/99	08/10/99	11/21/99	05/23/00	09/24/00	09/24/00
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624										
Benzene	1	5000	**9.9**	**470**	**340**	**220**	<100	<80	<50	<25
1,2-Dichlorobenzene	620	72500	<1.0	<100	<100	<100	<100	<80	<50	<25
1,3-Dichlorobenzene	620	61500	**0.22 J**	<100	<100	<100	<100	<80	<50	<25
1,4-Dichlorobenzene	75	39500	<1.0	<100	<100	<100	<100	<80	<50	<25
Ethylbenzene	29	29000	**26**	**780**	**820**	**610**	**240**	**210**	<50	**42.3**
Methylene chloride	5	5000	<2.0	<500	<500	<500	<500	<400	<250	N/A
Toluene	1000	257500	**19**	**4600**	**3100**	**3300**	**870**	**830**	**51**	**47.2**
Methyl tert-butyl ether	200	200000	<5.0	**11000**	**14000**	**9600**	**7200**	**6800**	**1300**	**1400**
Xylenes (total)	530	87500	**160**	**5700**	**6900**	**5300**	**4600**	**2200**	**390**	**424**
Total BTEX			**214.9**	**11550**	**11160**	**9430**	**5710**	**3240**	**441**	**513.5**
EPA 610										
Acenaphthene	80	2120	<2.0	<20	<20	<20	<10	<2.0	<2.0	<5.0
Acenaphthylene	210	1965	<2.0	<20	<20	<20	<10	<2.0	<2.0	<5.0
Anthracene	2100	2100	**0.55 J**	<10	<10	<10	<5.0	<1.0	<1.0	<5.0
Benzo(a)anthracene	0.05	22	<0.1	<1.0	<1.0	<1.0	<0.5	<0.1	<0.1	<5.0
Fluoranthene	280	280	<0.5	<5.0	<5.0	<5.0	<2.5	<0.5	<0.5	<5.0
Fluorene	280	950	<2.0	<20.0	<20.0	<20.0	<10.0	<2.0	<2.0	<5.0
Naphthalene	21	15500	<2.0	**87**	**92**	**120**	**92**	**31**	**15**	**4.8 J**
Phenanthrene	210	410	<1.0	<10	<10	<10	<5.0	<1.0	<1.0	<5.0
Pyrene	210	210	<0.5	<5.0	<5.0	<5.0	<2.5	<0.5	<0.5	<5.0
MADEP VPH										
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MADEP EPH										
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EPA 504.1										
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Bold type indicates detectable concentrations.									
	Shaded area indicates detectable concentrations above 2L GWQS									

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **1613-10**

		2000-4	2001-2	2001-4	2002-2	2002-4	2003-2	2003-4	2004-2	2004-4
		12/10/00	06/30/01	12/20/01	06/26/02	12/17/02	06/21/03	12/28/03	06/24/04	10/8/04
Analyte (ug/l)	**2L GWQS**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624										
Benzene	1	<20	<50	<10	<20	<10	**0.59 J**	**0.74 J**	<1.0	<1.0
1,2-Dichlorobenzene	620	<20	<50	<10	<20	<10	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	<20	<50	<10	<20	<10	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	<20	<50	<10	<20	<10	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	**91**	<50	**103**	**342**	**145**	**15.3**	<1.0	<1.0	<1.0
Methylene chloride	5	N/A	N/A	N/A	<100	N/A	N/A	N/A	<5.0	N/A
Toluene	1000	**270**	**82**	**154**	**632**	**169**	**13.7**	**2.7**	**0.96 J**	<1.0
Methyl tert-butyl ether	200	**2400**	**650**	**719**	**474**	**177**	**5.2**	**5.9**	**1.8**	**2.4**
Xylenes (total)	530	**1500**	**850**	**932**	**2280**	**998**	**102**	**3.1**	**2.2 J**	<3.0
Total BTEX		**1861**	**932**	**1189**	**3254**	**1312**	**131.59**	**6.54**	**3.16**	**0**
EPA 610										
Acenaphthene	80	<2.0	<1.0	<20	<21	<20	<5.0	<5.1	<5.0	N/A
Acenaphthylene	210	<2.0	<1.0	<20	**8.8 J**	<20	<5.0	<5.1	<5.0	N/A
Anthracene	2100	<2.0	<1.0	<20	<21	<20	<5.0	<5.1	<5.0	N/A
Benzo(a)anthracene	0.05	<0.1	<0.1	<20	<21	<20	<5.0	<5.1	<5.0	N/A
Fluoranthene	280	<0.5	<0.2	<20	<21	<20	<5.0	<5.1	<5.0	N/A
Fluorene	280	<2.0	<2.0	<20	<21	<20	<5.0	<5.1	<5.0	N/A
Naphthalene	21	**39**	**22**	**36.2**	**125**	**108**	**2.7 J**	<5.1	<5.0	N/A
Phenanthrene	210	<1.0	<1.0	<20	<21	<20	<5.0	<5.1	<5.0	N/A
Pyrene	210	<0.5	<0.1	<20	<21	<20	<5.0	<5.1	<5.0	N/A
MADEP VPH										
C5-C8 Aliphatics (Unadj.)	420	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<55
C9-C10 Aromatics (Unadj.)	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<20
MADEP EPH										
C11-C22 Aromatics (Unadj.)	210	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**202**
C9-C18 Aliphatics	4200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1										
1,2-Dibromoethane	0.0004	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.020
	Bold type indi	**Bold type indicates detectable concentrations.**								
	Shaded area i	**Shaded area indicates detectable concentrations above 2L GWQS**								

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **1613-11**

		Event:	1999-4	2000-3	2001-2	2001-4	2002-2	2002-4	2003-2	2003-4	2004-2	2004-4
		Date Sampled	11/21/99	09/25/00	06/30/01	12/19/01	06/26/02	12/17/02	06/21/03	12/28/03	06/24/04	10/6/04
Analyte (ug/l)	**Action Level**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624												
Benzene	1	5000	**23**	**0.85 J**	**3**	<1.0	**3.9**	<1.0	**0.52 J**	**2.4**	**0.95 J**	<1.0
1,2-Dichlorobenzene	620	72500	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	**8.9**	<1.0	**1.4**	<1.0	**0.93 J**	<1.0	**2.2**	**1.1**	**3.5**	**0.85 J**
Methylene chloride	5	5000	<10	N/A	N/A	N/A	<5.0	N/A	N/A	N/A	<5.0	N/A
Toluene	1000	257500	**120**	<1.0	**17**	<1.0	**13.9**	**0.59 J**	**4.4**	**8.8**	**10.8**	**1.0**
Methyl tert-butyl ether	200	200000	<10	**2.4**	<5.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	87500	**200**	<3.0	**27**	<3.0	**12.3**	<3.0	**17.7**	**5.8**	**21.6**	**3.2**
Total BTEX			**351.9**	**0.85**	**48.4**		**31.03**	**0.59**	**24.82**	**18.1**	**36.85**	**4.2**
EPA 610												
Acenaphthene	80	2120	<2.0	<5.0	<1.0	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	N/A
Acenaphthylene	210	1965	<2.0	<5.0	<1.0	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	N/A
Anthracene	2100	2100	<1.0	<5.0	<1.0	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	N/A
Benzo(a)anthracene	0.05	22	<0.1	<5.0	<0.1	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	N/A
Fluoranthene	280	280	<0.5	<5.0	<0.2	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	N/A
Fluorene	280	950	<2.0	<5.0	<2.0	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	N/A
Naphthalene	21	15500	<2.0	<5.0	<2.0	<5.0	<5.0	<5.1	**3.3 J**	<5.1	<5.0	N/A
Phenanthrene	210	410	<1.0	<5.0	<1.0	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	N/A
Pyrene	210	210	<0.5	<5.0	<0.1	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	N/A
MADEP VPH												
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<55
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<20
MADEP EPH												
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1												
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
Bold type indicates detectable concentrations.												
Shaded area indicates detectable concentrations above 2L GWQS												

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-12**

		Event:	2000-3	2004-4		
		Date Sampled	09/25/00	10/6/04		
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	**0.63 J**	<1.0		
1,2-Dichlorobenzene	620	72500	<1.0	<1.0		
1,3-Dichlorobenzene	620	61500	<1.0	<1.0		
1,4-Dichlorobenzene	75	39500	<1.0	<1.0		
Ethylbenzene	29	29000	<1.0	**1.0**		
Methylene chloride	5	5000	N/A	N/A		
Toluene	1000	257500	**0.95 J**	**1.3**		
Methyl tert-butyl ether	200	200000	<1.0	<1.0		
Xylenes (total)	530	87500	**1.7 J**	**3.7**		
Total BTEX			**3.28**	**6.0**		
EPA 610						
Acenaphthene	80	2120	<5.0	N/A		
Acenaphthylene	210	1965	<5.0	N/A		
Anthracene	2100	2100	<5.0	N/A		
Benzo(a)anthracene	0.05	22	<5.0	N/A		
Fluoranthene	280	280	<5.0	N/A		
Fluorene	280	950	<5.0	N/A		
Naphthalene	21	15500	<5.0	N/A		
Phenanthrene	210	410	<5.0	N/A		
Pyrene	210	210	<5.0	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	<75		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	<55		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	<20		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	<190		
C9-C18 Aliphatics	4200	NS	N/A	<190		
C19-C36 Aliphatics	42000	NS	N/A	<190		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.019		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-13**

		Event:	2000-3	2004-4		
		Date Sampled	09/25/00	9/30/04		
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	<5.0	<1.0		
1,2-Dichlorobenzene	620	72500	<5.0	<1.0		
1,3-Dichlorobenzene	620	61500	<5.0	<1.0		
1,4-Dichlorobenzene	75	39500	<5.0	<1.0		
Ethylbenzene	29	29000	<5.0	<1.0		
Methylene chloride	5	5000	N/A	N/A		
Toluene	1000	257500	<5.0	<1.0		
Methyl tert-butyl ether	200	200000	**182**	<1.0		
Xylenes (total)	530	87500	<15	<3.0		
Total BTEX				**0**		
EPA 610						
Acenaphthene	80	2120	<5.0	N/A		
Acenaphthylene	210	1965	<5.0	N/A		
Anthracene	2100	2100	<5.0	N/A		
Benzo(a)anthracene	0.05	22	<5.0	N/A		
Fluoranthene	280	280	<5.0	N/A		
Fluorene	280	950	<5.0	N/A		
Naphthalene	21	15500	<5.0	N/A		
Phenanthrene	210	410	<5.0	N/A		
Pyrene	210	210	<5.0	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	<75		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	<55		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	<20		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	<190		
C9-C18 Aliphatics	4200	NS	N/A	<190		
C19-C36 Aliphatics	42000	NS	N/A	<190		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.019		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-14**

		Event:	2000-3	2004-4		
		Date Sampled	09/26/00	10/8/04		
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	<1.0	<1.0		
1,2-Dichlorobenzene	620	72500	<1.0	<1.0		
1,3-Dichlorobenzene	620	61500	<1.0	<1.0		
1,4-Dichlorobenzene	75	39500	<1.0	<1.0		
Ethylbenzene	29	29000	<1.0	<1.0		
Methylene chloride	5	5000	N/A	N/A		
Toluene	1000	257500	<1.0	<1.0		
Methyl tert-butyl ether	200	200000	**0.81 J**	<1.0		
Xylenes (total)	530	87500	<3.0	<3.0		
Total BTEX				**0**		
EPA 610						
Acenaphthene	80	2120	<5.0	N/A		
Acenaphthylene	210	1965	<5.0	N/A		
Anthracene	2100	2100	<5.0	N/A		
Benzo(a)anthracene	0.05	22	<5.0	N/A		
Fluoranthene	280	280	<5.0	N/A		
Fluorene	280	950	<5.0	N/A		
Naphthalene	21	15500	<5.0	N/A		
Phenanthrene	210	410	<5.0	N/A		
Pyrene	210	210	<5.0	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	<75		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	<55		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	<20		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	<190		
C9-C18 Aliphatics	4200	NS	N/A	<190		
C19-C36 Aliphatics	42000	NS	N/A	<190		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.019		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-15**

		Event:	2000-3	2004-4		
		Date Sampled	09/26/00	10/1/04		
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	<1.0	<1.0		
1,2-Dichlorobenzene	620	72500	<1.0	<1.0		
1,3-Dichlorobenzene	620	61500	<1.0	<1.0		
1,4-Dichlorobenzene	75	39500	<1.0	<1.0		
Ethylbenzene	29	29000	<1.0	<1.0		
Methylene chloride	5	5000	N/A	N/A		
Toluene	1000	257500	<1.0	<1.0		
Methyl tert-butyl ether	200	200000	<1.0	**299**		
Xylenes (total)	530	87500	<3.0	<3.0		
Total BTEX				**0**		
EPA 610						
Acenaphthene	80	2120	<5.0	N/A		
Acenaphthylene	210	1965	<5.0	N/A		
Anthracene	2100	2100	<5.0	N/A		
Benzo(a)anthracene	0.05	22	<5.0	N/A		
Fluoranthene	280	280	<5.0	N/A		
Fluorene	280	950	<5.0	N/A		
Naphthalene	21	15500	<5.0	N/A		
Phenanthrene	210	410	<5.0	N/A		
Pyrene	210	210	<5.0	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	**263**		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	<55		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	<20		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	<190		
C9-C18 Aliphatics	4200	NS	N/A	<190		
C19-C36 Aliphatics	42000	NS	N/A	<190		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.019		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **1613-16**

		Event:	2000-3	2001-2	2001-4	2002-2	2002-4	2003-2	2003-4	2004-2	2004-4
		Date Sampled	09/26/00	06/30/01	12/20/01	06/26/02	12/17/02	06/21/03	12/28/03	06/24/04	10/8/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624											
Benzene	1	5000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.75 J**	<1.0	<1.0
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	<1.0	<1.0	<1.0	<1.0	**6.7**	**0.9 J**	<1.0	<1.0	<1.0
Methylene chloride	5	5000	N/A	N/A	N/A	<5.0	N/A	N/A	N/A	<5.0	N/A
Toluene	1000	257500	<1.0	**1.7**	<1.0	<1.0	**6.2**	**1.6**	**3.1**	**1.8**	<1.0
Methyl tert-butyl ether	200	200000	**1340**	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**17.9**
Xylenes (total)	530	87500	<3.0	**1.8**	<3.0	<3.0	**52.6**	**7.2**	**2.3 J**	**3.6**	<3.0
Total BTEX				**3.5**			**65.5**	**9.7**	**6.15**	**5.4**	**0**
EPA 610											
Acenaphthene	80	2120	<5.0	<1.0	<5.0	<5.1	<5.2	<5.1	<5.1	<5.0	N/A
Acenaphthylene	210	1965	<5.0	<1.0	<5.0	<5.1	<5.2	<5.1	<5.1	<5.0	N/A
Anthracene	2100	2100	<5.0	<1.0	<5.0	<5.1	<5.2	<5.1	<5.1	<5.0	N/A
Benzo(a)anthracene	0.05	22	<5.0	<0.1	<5.0	<5.1	<5.2	<5.1	<5.1	<5.0	N/A
Fluoranthene	280	280	<5.0	<0.2	<5.0	<5.1	<5.2	<5.1	<5.1	<5.0	N/A
Fluorene	280	950	<5.0	<2.0	<5.0	<5.1	<5.2	<5.1	<5.1	<5.0	N/A
Naphthalene	21	15500	<5.0	<2.0	<5.0	<5.1	**2.6 J**	<5.1	<5.1	<5.0	N/A
Phenanthrene	210	410	<5.0	<1.0	<5.0	<5.1	<5.2	<5.1	<5.1	<5.0	N/A
Pyrene	210	210	<5.0	<0.1	<5.0	<5.1	<5.2	<5.1	<5.1	<5.0	N/A
MADEP VPH											
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<55
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<20
MADEP EPH											
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1											
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
Bold type indicates detectable concentrations.											
Shaded area indicates detectable concentrations above 2L GWQS											

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-17**

		Event:	1999-4	2004-4		
		Date Sampled	11/21/99	10/7/04		
Analyte (ug/l)	**2 L GWQS**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	**1100**	**113**		
1,2-Dichlorobenzene	620	72500	<50	<10		
1,3-Dichlorobenzene	620	61500	<50	<10		
1,4-Dichlorobenzene	75	39500	<50	<10		
Ethylbenzene	29	29000	**250**	**377**		
Methylene chloride	5	5000	<250	N/A		
Toluene	1000	257500	**4100**	**1920**		
Methyl tert-butyl ether	200	200000	<250	<10		
Xylenes (total)	530	87500	**3600**	**2670**		
Total BTEX			**9050**	**5080**		
EPA 610						
Acenaphthene	80	2120	<2.0	N/A		
Acenaphthylene	210	1965	<2.0	N/A		
Anthracene	2100	2100	<1.0	N/A		
Benzo(a)anthracene	0.05	22	<0.1	N/A		
Fluoranthene	280	280	<0.5	N/A		
Fluorene	280	950	<2.0	N/A		
Naphthalene	21	15500	<2.0	N/A		
Phenanthrene	210	410	<1.0	N/A		
Pyrene	210	210	<0.5	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	<75		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	**38.8**		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	**28.1**		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	**337**		
C9-C18 Aliphatics	4200	NS	N/A	**553**		
C19-C36 Aliphatics	42000	NS	N/A	<190		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.019		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-18**

		Event:	1999-4	2004-4		
		Date Sampled	11/21/99	10/7/04		
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**		
EPA 601/602/624						
Benzene	1	5000	**740**	<1.0		
1,2-Dichlorobenzene	620	72500	<40	<1.0		
1,3-Dichlorobenzene	620	61500	<40	<1.0		
1,4-Dichlorobenzene	75	39500	<40	<1.0		
Ethylbenzene	29	29000	**110**	**3.4**		
Methylene chloride	5	5000	<200	N/A		
Toluene	1000	257500	**2200**	**1.4**		
Methyl tert-butyl ether	200	200000	<200	<1.0		
Xylenes (total)	530	87500	**3600**	**84.6**		
Total BTEX			**6650**	**89.4**		
EPA 610						
Acenaphthene	80	2120	<10	N/A		
Acenaphthylene	210	1965	<10	N/A		
Anthracene	2100	2100	<5.0	N/A		
Benzo(a)anthracene	0.05	22	<0.5	N/A		
Fluoranthene	280	280	<10	N/A		
Fluorene	280	950	<2.0	N/A		
Naphthalene	21	15500	**89**	N/A		
Phenanthrene	210	410	<5.0	N/A		
Pyrene	210	210	<2.5	N/A		
MADEP VPH						
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	**408**		
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	**641**		
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	**428**		
MADEP EPH						
C11-C22 Aromatics (Unadj.)	210	NS	N/A	<190		
C9-C18 Aliphatics	4200	NS	N/A	**210**		
C19-C36 Aliphatics	42000	NS	N/A	<190		
EPA 504.1						
1,2-Dibromoethane	0.0004	50	N/A	<0.019		
Bold type indicates detectable concentrations.						
Shaded area indicates detectable concentrations above 2L GWQS						

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #920704

Analytical Data Summary

Well ID: **1613-19**

		Event:	1998-3	1999-1	1999-2	1999-3	1999-4	2000-2	2000-3	2000-4	2004-4
		Date Sampled	9/28/98 & 10/09/98	03/05/99	05/21/99	08/10/99	11/21/99	05/23/00	09/24/00	12/10/00	10/7/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624											
Benzene	1	5000	**90**	**930**	**190**	**90**	**270**	**200**	**8.5**	**68**	**0.62 J**
1,2-Dichlorobenzene	620	72500	<5.0	<10	<10	<10	<10	<5	<5	<3.0	<1.0
1,3-Dichlorobenzene	620	61500	**2.5 J**	<10	<10	<10	<10	<5	<5	<3.0	<1.0
1,4-Dichlorobenzene	75	39500	<5.0	<10	<10	<10	<10	<5	<5	<3.0	<1.0
Ethylbenzene	29	29000	**43**	**23**	**8.5**	**16**	**30**	**44**	<5	**8.5**	<1.0
Methylene chloride	5	5000	**16**	<50	<50	<50	<50	<25	<25	N/A	N/A
Toluene	1000	257500	**300**	**590**	**190**	**110**	**530**	**140**	**15**	**100**	<1.0
Methyl tert-butyl ether	200	200000	<25	**72**	**100**	**82**	<1.0	**42**	<25	**86**	<1.0
Xylenes (total)	530	87500	**570**	**600**	**420**	**180**	**2400**	**280**	**95**	**330**	**2.1 J**
Total BTEX			**1003**	**2143**	**808.5**	**396**	**3230**	**664**	**118.5**	**506.5**	**0**
EPA 610											
Acenaphthene	80	2120	<10	<20	<20	<20	<2.0	<2.0	<2.0	<2.0	N/A
Acenaphthylene	210	1965	<10	<20	<20	<20	<2.0	<2.0	<2.0	<2.0	N/A
Anthracene	2100	2100	<5.0	<10	<10	<10	<1.0	<1.0	<1.0	<1.0	N/A
Benzo(a)anthracene	0.05	22	<0.5	<1.0	<1.0	<1.0	<0.1	<0.1	<0.1	<0.1	N/A
Fluoranthene	280	280	<2.5	<5.0	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	N/A
Fluorene	280	950	<10	<20	<20	<20	<2.0	<2.0	<2.0	<2.0	N/A
Naphthalene	21	15500	**25**	**32**	<20	**2.7**	**13**	**19**	<2.0	<2.0	N/A
Phenanthrene	210	410	<5.0	<10	<10	<10	<1.0	<1.0	<1.0	<1.0	N/A
Pyrene	210	210	<2.5	<5.0	<5.0	<5.0	<0.5	<0.5	<0.5	<0.5	N/A
MADEP VPH											
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<55
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<20
MADEP EPH											
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1											
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
Bold type indicates detectable concentrations.											
Shaded area indicates detectable concentrations above 2L GWQS											

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **1613-20**

		Event:	2000-3	2001-2	2001-4	2002-2	2002-4	2003-2	2003-4	2004-2	2004-4
		Date Sampled	09/26/00	06/30/01	12/19/01	06/25/02	12/17/02	06/21/03	12/28/03	06/24/04	10/4/04
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624											
Benzene	1	5000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.66 J**	**1.3**	**0.77 J**
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	**0.72 J**	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	**7.4**	**7.1**
Methylene chloride	5	5000	N/A	N/A	N/A	<5.0	N/A	N/A	N/A	<5.0	N/A
Toluene	1000	257500	**2.7**	**6.2**	<1.0	**0.87 J**	<1.0	**5.5**	<1.0	**25.7**	**10.1**
Methyl tert-butyl ether	200	200000	**361**	**83**	**403**	**318**	**127**	**16.6**	**5.2**	**13.4**	**7.5**
Xylenes (total)	530	87500	**9.4**	**12**	<3.0	**2.7 J**	<3.0	**9.4**	<3.0	**45.6**	**27.2**
Total BTEX			**12.82**	**18.2**		**3.57**		**16.2**	**0.66**	**80**	**44.4**
EPA 610											
Acenaphthene	80	2120	<5.0	<1.0	<5.0	<5.0	<5.1	<5.0	<5.0	<5.0	N/A
Acenaphthylene	210	1965	<5.0	<1.0	<5.0	<5.0	<5.1	<5.0	<5.0	<5.0	N/A
Anthracene	2100	2100	<5.0	<1.0	<5.0	<5.0	<5.1	<5.0	<5.0	<5.0	N/A
Benzo(a)anthracene	0.05	22	<5.0	<0.1	<5.0	<5.0	<5.1	<5.0	<5.0	<5.0	N/A
Fluoranthene	280	280	<5.0	<0.2	<5.0	<5.0	<5.1	<5.0	<5.0	<5.0	N/A
Fluorene	280	950	<5.0	<2.0	<5.0	<5.0	<5.1	<5.0	<5.0	<5.0	N/A
Naphthalene	21	15500	<5.0	<2.0	<5.0	<5.0	<5.1	<5.0	<5.0	<5.0	N/A
Phenanthrene	210	410	<5.0	<1.0	<5.0	<5.0	<5.1	<5.0	<5.0	<5.0	N/A
Pyrene	210	210	<5.0	<0.1	<5.0	<5.0	<5.1	<5.0	<5.0	<5.0	N/A
MADEP VPH											
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<55
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**15.3 J**
MADEP EPH											
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1											
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
Bold type indicates detectable concentrations.											
Shaded area indicates detectable concentrations above 2L GWQS											

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **1613-21**

		Event:	2000-3	2001-2	2001-4	2002-2	2002-4	2003-2	2003-4	2004-2	2004-4
		Date Sampled	09/26/00	06/30/01	12/19/01	06/25/02	12/17/02	06/21/03	12/28/03	06/24/04	10/4/04*
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624											
Benzene	1	5000	<1.0	**1.0**	<1.0	<1.0	<1.0	**1.1**	<1.0	**2.8**	**3.2**
1,2-Dichlorobenzene	620	72500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	620	61500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	75	39500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	29000	<1.0	<1.0	<1.0	<1.0	<1.0	**3.9**	<1.0	**12.9**	**16.1**
Methylene chloride	5	5000	N/A	N/A	N/A	<5.0	<5.0	N/A	<5.0	<5.0	N/A
Toluene	1000	257500	**0.64 J**	**9.4**	<1.0	**1.8**	<1.0	**21.8**	<1.0	**50.5**	**30.6**
Methyl tert-butyl ether	200	200000	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	87500	**2.0 J**	**17**	<3.0	**4.7**	<3.0	**28.4**	<3.0	**77.4**	**62**
Total BTEX			**2.64**	**27.4**		**6.5**		**55.2**		**143.6**	**111.9**
EPA 610											
Acenaphthene	80	2120	<5.0	<1.0	<5.0	<5.0	<5.1	<5.1	<5.0	<5.0	N/A
Acenaphthylene	210	1965	<5.0	<1.0	<5.0	<5.0	<5.1	<5.1	<5.0	<5.0	N/A
Anthracene	2100	2100	<5.0	<1.0	<5.0	<5.0	<5.1	<5.1	<5.0	<5.0	N/A
Benzo(a)anthracene	0.05	22	<5.0	<0.1	<5.0	<5.0	<5.1	<5.1	<5.0	<5.0	N/A
Fluoranthene	280	280	<5.0	<0.2	<5.0	<5.0	<5.1	<5.1	<5.0	<5.0	N/A
Fluorene	280	950	<5.0	<2.0	<5.0	<5.0	<5.1	<5.1	<5.0	<5.0	N/A
Naphthalene	21	15500	<5.0	<2.0	<5.0	<5.0	<5.1	<5.1	<5.0	**2.7 J**	N/A
Phenanthrene	210	410	<5.0	<1.0	<5.0	<5.0	<5.1	<5.1	<5.0	<5.0	N/A
Pyrene	210	210	<5.0	<0.1	<5.0	<5.0	<5.1	<5.1	<5.0	<5.0	N/A
MADEP VPH											
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<75
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**103**
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**52.6**
MADEP EPH											
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1											
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
Bold type indicates detectable concentrations.											
Shaded area indicates detectable concentrations above 2L GWQS											
* October 2004 sample from 1613-21 mistakenly labeled as being from 1613-22											

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

CLJ - Building 1613
Project #844098

Analytical Data Summary

Well ID: **1613-22**

		Event:	2000-3	2001-2	2001-4	2002-2	2002-4	2003-2	2003-4	2004-2	2004-4
		Date Sampled	09/25/00	06/30/01	12/20/01	06/26/02	12/17/02	06/21/03	12/28/03	06/24/04	10/4/04*
Analyte (ug/l)	**2L GWQS**	**GCL**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
EPA 601/602/624											
Benzene	1	5000	**5160**	**1700**	**539**	**437**	**11.2**	**289**	**73.8**	**345**	**356**
1,2-Dichlorobenzene	620	72500	<10.0	<100	<10	<10	<1.0	<1.0	<1.0	<50	<5.0
1,3-Dichlorobenzene	620	61500	<10.0	<100	<10	<10	<1.0	<1.0	<1.0	<50	<5.0
1,4-Dichlorobenzene	75	39500	<10.0	<100	<10	<10	<1.0	<1.0	<1.0	<50	<5.0
Ethylbenzene	29	29000	**551**	<100	<10	**36.6**	**2**	**217**	**44.7**	**1180**	**1040**
Methylene chloride	5	5000	N/A	N/A	N/A	<50	N/A	N/A	N/A	<250	N/A
Toluene	1000	257500	**565**	**1300**	**376**	**1080**	**25.6**	**2060**	**235**	**3910**	**1250**
Methyl tert-butyl ether	200	200000	**424**	**740**	**634**	**289**	**62.6**	**54.3**	**19.9**	<50	**28.6**
Xylenes (total)	530	87500	**1170**	**820**	**111**	**526**	**13.3**	**1660**	**222**	**6540**	**3520**
Total BTEX			**7446**	**3820**	**1026**	**2079.6**	**52.1**	**4226**	**575.5**	**11975**	**6166**
EPA 610											
Acenaphthene	80	2120	<5.5	<1.0	<5.0	<20	<5.2	<20	<5.1	<5.0	N/A
Acenaphthylene	210	1965	<5.5	<1.0	<5.0	<20	<5.2	<20	<5.1	<5.0	N/A
Anthracene	2100	2100	<5.5	<1.0	<5.0	<20	<5.2	<20	<5.1	<5.0	N/A
Benzo(a)anthracene	0.05	22	<5.5	<0.1	<5.0	<20	<5.2	<20	<5.1	<5.0	N/A
Fluoranthene	280	280	<5.5	<0.2	<5.0	<20	<5.2	<20	<5.1	<5.0	N/A
Fluorene	280	950	<5.5	<2.0	<5.0	<20	<5.2	<20	<5.1	<5.0	N/A
Naphthalene	21	15500	**26.2**	**38**	<5.0	**22.8**	<5.2	**35.1**	**17.5**	**288**	N/A
Phenanthrene	210	410	<5.5	<1.0	<5.0	<20	<5.2	<20	<5.1	<5.0	N/A
Pyrene	210	210	<5.5	<0.1	<5.0	<20	<5.2	<20	<5.1	<5.0	N/A
MADEP VPH											
C5-C8 Aliphatics (Unadj.)	420	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**4300**
C9-C12 Aliphatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**10300**
C9-C10 Aromatics (Unadj.)	NS	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**5690**
MADEP EPH											
C11-C22 Aromatics (Unadj.)	210	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**878**
C9-C18 Aliphatics	4200	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**1640**
C19-C36 Aliphatics	42000	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<190
EPA 504.1											
1,2-Dibromoethane	0.0004	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.019
Bold type indicates detectable concentrations.											
Shaded area indicates detectable concentrations above 2L GWQS											
* October 2004 sample from 1613-22 mistakenly labeled as being from 1613-21											

J= estimated
N/A= not analyzed

Printed: 3/16/2005
Samples analyzed by STL or Accutest

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-HPGW6			
EPH Surrogate Standards		**Date Collected**			10/06/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/08/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	200	200	ND	560			
C19-C36 Aliphatics	ug/l	200	200	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	150	200	ND	231			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	76			
Aromatic Surrogate % Recovery				80	90			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	96			
Fractionation Surrogate #2 % Recovery				56	67			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

		Sample Identification			UST1613-HPGW6			
		Collection Option (for soil)*			1			
		Date Collected			10/06/2004			
		Date Received			10/08/2004			
		Date Extracted			10/08/2004			
		Date Analyzed			10/13/2004			
		% Dry Solids			N/A			
		Dilution Factor			10			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	500	750	ND	543 J			
C9- C12 Aliphatics (Unadj.)	**ug/l**	300	550	ND	2850			
C9- C10 Aromatics (Unadj.)	**ug/l**	100	200	ND	1900			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				105	108			
Aromatic Surrogate % Recovery - PID				98	101			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW03			
EPH Surrogate Standards		**Date Collected**			10/06/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/08/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	41			
Aromatic Surrogate % Recovery				80	74			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	80			
Fractionation Surrogate #2 % Recovery				56	68			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: **MADEP VPH**

VPH Surrogate Standards
Aliphatic: **BFB**
Aromatic: **BFB**

		Sample Identification			UST1613-MW03			
		Collection Option (for soil)*			1			
		Date Collected			10/06/2004			
		Date Received			10/08/2004			
		Date Extracted			10/08/2004			
		Date Analyzed			10/12/2004			
		% Dry Solids			N/A			
		Dilution Factor			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	ND			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				99	96			
Aromatic Surrogate % Recovery - PID				92	91			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW09			
EPH Surrogate Standards		**Date Collected**			10/06/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/08/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	32.0 *			
Aromatic Surrogate % Recovery				80	85			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	110			
Fractionation Surrogate #2 % Recovery				56	87			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: **MADEP VPH**

VPH Surrogate Standards
Aliphatic: **BFB**
Aromatic: **BFB**

		Sample Identification			UST1613-MW09			
		Collection Option (for soil)*			1			
		Date Collected			10/06/2004			
		Date Received			10/08/2004			
		Date Extracted			10/08/2004			
		Date Analyzed			10/12/2004			
		% Dry Solids			N/A			
		Dilution Factor			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	ND			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				99	97			
Aromatic Surrogate % Recovery - PID				92	92			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW10			
EPH Surrogate Standards		**Date Collected**			10/08/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/09/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	202			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	66			
Aromatic Surrogate % Recovery				80	84			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	101			
Fractionation Surrogate #2 % Recovery				56	75			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH		**Sample Identification**			UST1613-MW10			
		Collection Option (for soil)*			1			
VPH Surrogate Standards		**Date Collected**			10/08/2004			
Aliphatic: BFB		**Date Received**			10/09/2004			
Aromatic: BFB		**Date Extracted**			10/09/2004			
		Date Analyzed			10/13/2004			
		% Dry Solids			N/A			
		Dilution Factor			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	ND			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				105	96			
Aromatic Surrogate % Recovery - PID				98	89			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW11			
EPH Surrogate Standards		**Date Collected**			10/06/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/08/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	74			
Aromatic Surrogate % Recovery				80	70			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	103			
Fractionation Surrogate #2 % Recovery				56	70			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

		Sample Identification			UST1613-MW11			
		Collection Option (for soil)*			1			
		Date Collected			10/06/2004			
		Date Received			10/08/2004			
		Date Extracted			10/08/2004			
		Date Analyzed			10/12/2004			
		% Dry Solids			N/A			
		Dilution Factor			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	ND			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				99	95			
Aromatic Surrogate % Recovery - PID				92	90			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW11D			
EPH Surrogate Standards		**Date Collected**			10/06/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/08/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	150	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	70			
Aromatic Surrogate % Recovery				80	85			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	104			
Fractionation Surrogate #2 % Recovery				56	90			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

		Sample Identification			UST1613-MW11D			
		Collection Option (for soil)*			1			
		Date Collected			10/06/2004			
		Date Received			10/08/2004			
		Date Extracted			10/08/2004			
		Date Analyzed			10/12/2004			
		% Dry Solids			N/A			
		Dilution Factor			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	ND			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				99	93			
Aromatic Surrogate % Recovery - PID				92	87			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW12			
EPH Surrogate Standards		**Date Collected**			10/06/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/08/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	52			
Aromatic Surrogate % Recovery				80	72			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	84			
Fractionation Surrogate #2 % Recovery				56	56			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: **MADEP VPH**

VPH Surrogate Standards
Aliphatic: **BFB**
Aromatic: **BFB**

		Sample Identification			UST1613-MW12			
		Collection Option (for soil)*			1			
		Date Collected			10/06/2004			
		Date Received			10/08/2004			
		Date Extracted			10/08/2004			
		Date Analyzed			10/12/2004			
		% Dry Solids			N/A			
		Dilution Factor			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	ND			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				99	95			
Aromatic Surrogate % Recovery - PID				92	90			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW14			
EPH Surrogate Standards		**Date Collected**			10/08/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/09/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	75			
Aromatic Surrogate % Recovery				80	79			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	91			
Fractionation Surrogate #2 % Recovery				56	71			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

Hydrocarbon Ranges	Units of Measure	MDL	RL	BLANK	Sample Identification: UST1613-MW14			
					Collection Option (for soil)*	1		
					Date Collected	10/08/2004		
					Date Received	10/09/2004		
					Date Extracted	10/09/2004		
					Date Analyzed	10/13/2004		
					% Dry Solids	N/A		
					Dilution Factor	1		
C5- C8 Aliphatics (Unadj.)	ug/l	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	ug/l	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	ug/l	10	20	ND	ND			
Sample Surrogate Acceptance Range				70-130%	70-130%			
Aliphatic Surrogate % Recovery - FID				105	99			
Aromatic Surrogate % Recovery - PID				98	93			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes

Were any significant modifications to the VPH method made? No

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW16			
EPH Surrogate Standards		**Date Collected**			10/08/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/09/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	69			
Aromatic Surrogate % Recovery				80	72			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	84			
Fractionation Surrogate #2 % Recovery				56	50			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

		Sample Identification			UST1613-MW16			
		Collection Option (for soil)*			1			
		Date Collected			10/08/2004			
		Date Received			10/09/2004			
		Date Extracted			10/09/2004			
		Date Analyzed			10/13/2004			
		% Dry Solids			N/A			
		Dilution Factor			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	ND			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				105	95			
Aromatic Surrogate % Recovery - PID				98	87			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes

Were any significant modifications to the VPH method made? No

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW17			
EPH Surrogate Standards		**Date Collected**			10/07/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/08/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	553			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	337			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	60			
Aromatic Surrogate % Recovery				80	73			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	95			
Fractionation Surrogate #2 % Recovery				56	86			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

		Sample Identification			UST1613-MW17			
		Collection Option (for soil)*			1			
		Date Collected			10/07/2004			
		Date Received			10/08/2004			
		Date Extracted			10/08/2004			
		Date Analyzed			10/13/2004			
		% Dry Solids			N/A			
		Dilution Factor			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	38.8 J			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	28.1			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				105	100			
Aromatic Surrogate % Recovery - PID				98	94			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes

Were any significant modifications to the VPH method made? No

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW18			
EPH Surrogate Standards		**Date Collected**			10/07/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/08/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	210			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	53			
Aromatic Surrogate % Recovery				80	78			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	100			
Fractionation Surrogate #2 % Recovery				56	69			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: **MADEP VPH**

VPH Surrogate Standards
Aliphatic: **BFB**
Aromatic: **BFB**

Hydrocarbon Ranges	Units of Measure	MDL	RL	BLANK	Sample Identification: UST1613-MW18	Sample Identification: UST1613-MW18		
Collection Option (for soil)*					1	1		
Date Collected					10/07/2004	10/07/2004		
Date Received					10/08/2004	10/08/2004		
Date Extracted					10/08/2004	10/08/2004		
Date Analyzed					10/13/2004	10/14/2004		
% Dry Solids					N/A	N/A		
Dilution Factor					1	2		
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	408			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	641			
C9- C10 Aromatics (Unadj.)	**ug/l**	20	40	ND		428		
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**	**70-130%**		
Aliphatic Surrogate % Recovery - FID				105	109	98		
Aromatic Surrogate % Recovery - PID				98	101	92		

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW19			
EPH Surrogate Standards		**Date Collected**			10/07/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/08/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/20/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/04/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				89	63			
Aromatic Surrogate % Recovery				80	77			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				88	89			
Fractionation Surrogate #2 % Recovery				56	68			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

		Sample Identification			UST1613-MW19			
		Collection Option (for soil)*			1			
		Date Collected			10/07/2004			
		Date Received			10/08/2004			
		Date Extracted			10/08/2004			
		Date Analyzed			10/13/2004			
		% Dry Solids			N/A			
		Dilution Factor			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	ND			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				105	102			
Aromatic Surrogate % Recovery - PID				98	94			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW20			
EPH Surrogate Standards		**Date Collected**			10/04/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/06/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/13/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/03/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				95	55			
Aromatic Surrogate % Recovery				73	76			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				92	97			
Fractionation Surrogate #2 % Recovery				86	75			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

Hydrocarbon Ranges	Units of Measure	MDL	RL	BLANK	Sample Identification: UST1613-MW20			
					Collection Option (for soil)*: 1			
					Date Collected: 10/04/2004			
					Date Received: 10/06/2004			
					Date Extracted: 10/06/2004			
					Date Analyzed: 10/11/2004			
					% Dry Solids: N/A			
					Dilution Factor: 1			
C5- C8 Aliphatics (Unadj.)	ug/l	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	ug/l	30	55	ND	ND			
C9- C10 Aromatics (Unadj.)	ug/l	10	20	ND	15.3 J			
Sample Surrogate Acceptance Range				70-130%	70-130%			
Aliphatic Surrogate % Recovery - FID				99	99			
Aromatic Surrogate % Recovery - PID				92	93			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW21			
EPH Surrogate Standards		**Date Collected**			10/04/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/06/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/13/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/03/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	1640			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	878			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				95	81			
Aromatic Surrogate % Recovery				73	76			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				92	97			
Fractionation Surrogate #2 % Recovery				86	70			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

Sample Identification					UST1613-MW21	UST1613-MW21		
Collection Option (for soil)*					1	1		
Date Collected					10/04/2004	10/04/2004		
Date Received					10/06/2004	10/06/2004		
Date Extracted					10/06/2004	10/06/2004		
Date Analyzed					10/11/2004	10/12/2004		
% Dry Solids					N/A	N/A		
Dilution Factor					5	20		
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C5- C8 Aliphatics (Unadj.)	**ug/l**	250	380	ND	4300			
C9- C12 Aliphatics (Unadj.)	**ug/l**	150	280	ND	10300			
C9- C10 Aromatics (Unadj.)	**ug/l**	200	400	ND		5690		
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**	**70-130%**		
Aliphatic Surrogate % Recovery - FID				99	107	100		
Aromatic Surrogate % Recovery - PID				92	99	93		

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

Were any significant modifications to the VPH method made? **No**

EPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP-EPH-98-1		**Sample Identification**			UST1613-MW22			
EPH Surrogate Standards		**Date Collected**			10/04/2004			
Aliphatic: 1-Chlorooctadecane		**Date Received**			10/06/2004			
Aromatic: o-Terphenyl		**Date Extracted**			10/13/2004			
EPH Fractionation Surrogates		**Date Analyzed**			11/03/2004			
#1: 2-Fluorobiphenyl		**% Dry Solids**			N/A			
#2: 2-Bromonaphthalene		**Dilution Factor**			1			
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**BLANK**				
C9-C18 Aliphatics	ug/l	190	190	ND	ND			
C19-C36 Aliphatics	ug/l	190	190	ND	ND			
C11-C22 Aromatics (Unadj.)	ug/l	140	190	ND	ND			
Sample Surrogate Acceptance Range				**40-140**	**40-140**			
Aliphatic Surrogate % Recovery				95	61			
Aromatic Surrogate % Recovery				73	68			
Fractionation Surrogate Acceptance Range								
Fractionation Surrogate #1 % Recovery				92	89			
Fractionation Surrogate #2 % Recovery				86	62			

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? Yes
Was blank correction applied as a significant modification of the method? Yes
Were any significant modifications to the eph method made? No

VPH (Aliphatics/Aromatics) Laboratory Reporting Forn

Client Name: Field Support Service Inc
Project Name: Camp Lejeune-Bldg 1613/ FSSI
Site Location: _____

Laboratory Name: Accutest Southeast
NC Certification # (Lab): 573
Sample Matrix : Ground Water

Sample Information and Analytical Results

Method for Ranges: MADEP VPH

VPH Surrogate Standards
Aliphatic: BFB
Aromatic: BFB

Hydrocarbon Ranges	Units of Measure	MDL	RL	BLANK	UST1613-MW22			
Sample Identification					UST1613-MW22			
Collection Option (for soil)*					1			
Date Collected					10/04/2004			
Date Received					10/06/2004			
Date Extracted					10/06/2004			
Date Analyzed					10/11/2004			
% Dry Solids					N/A			
Dilution Factor					1			
C5- C8 Aliphatics (Unadj.)	**ug/l**	50	75	ND	ND			
C9- C12 Aliphatics (Unadj.)	**ug/l**	30	55	ND	103			
C9- C10 Aromatics (Unadj.)	**ug/l**	10	20	ND	52.6			
Sample Surrogate Acceptance Range				**70-130%**	**70-130%**			
Aliphatic Surrogate % Recovery - FID				99	99			
Aromatic Surrogate % Recovery - PID				92	93			

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCoreTM) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit

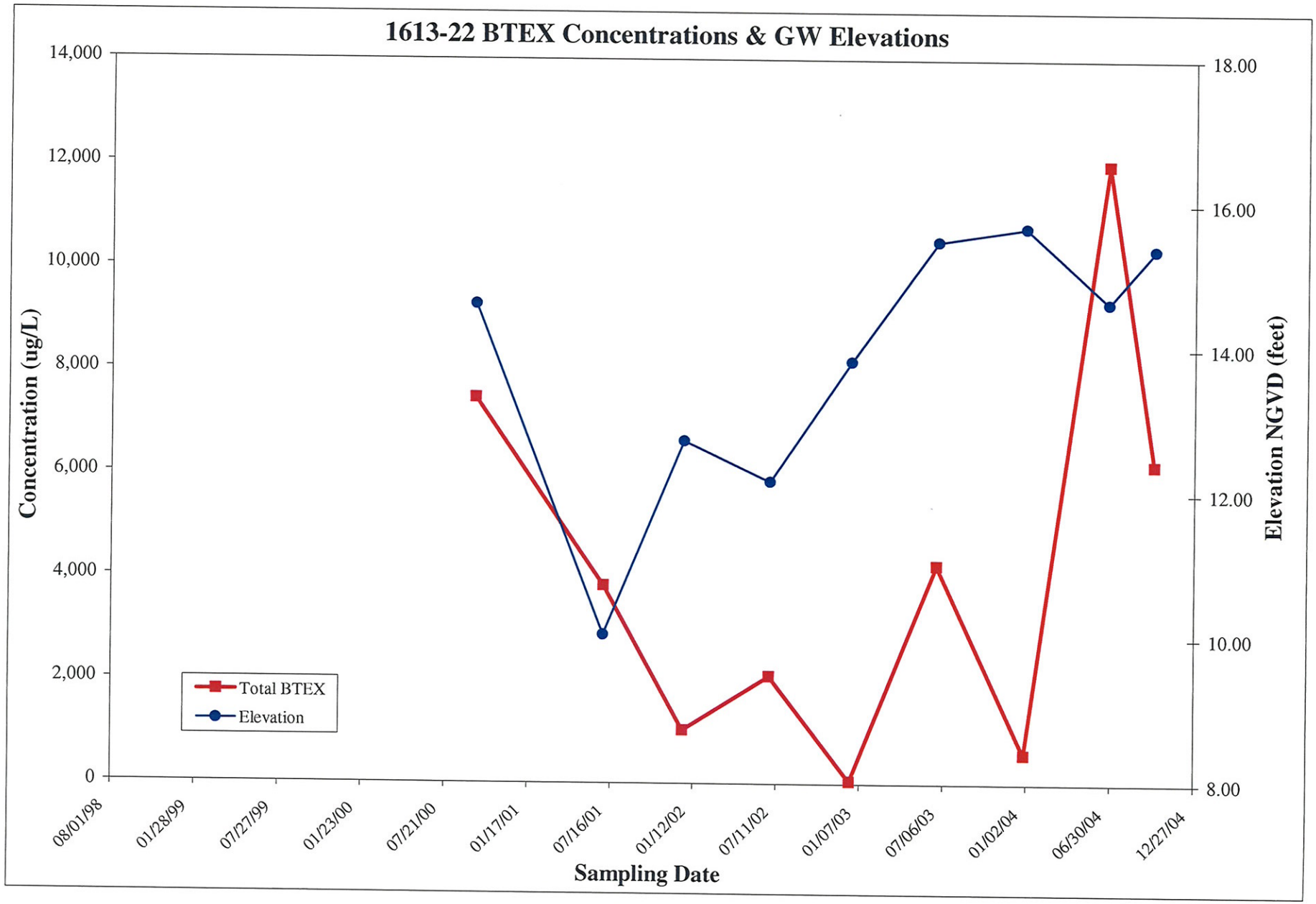
VPH rev. 11/00

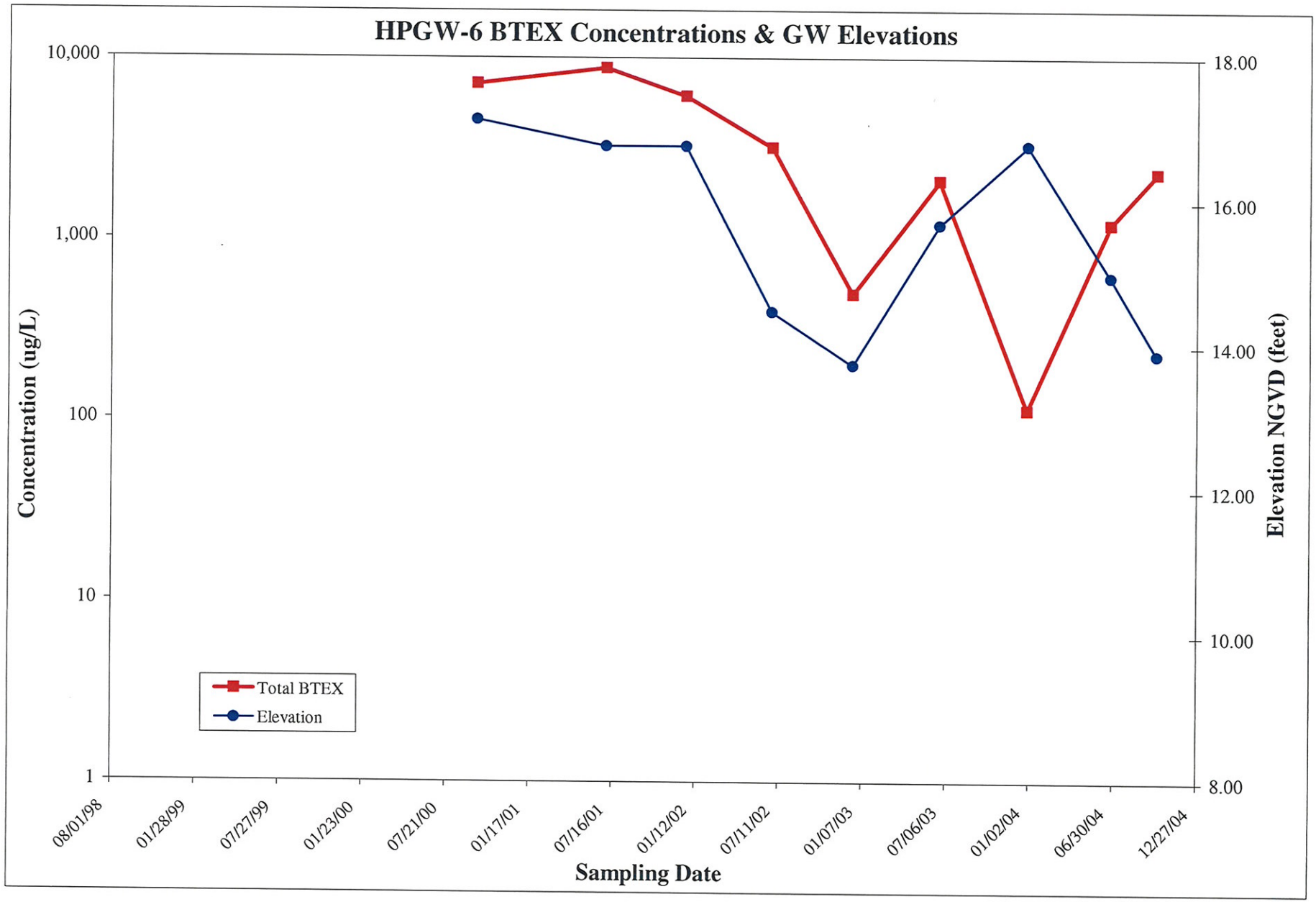
Were all performance/acceptance standards for required QA/QC procedures achieved? **Yes**

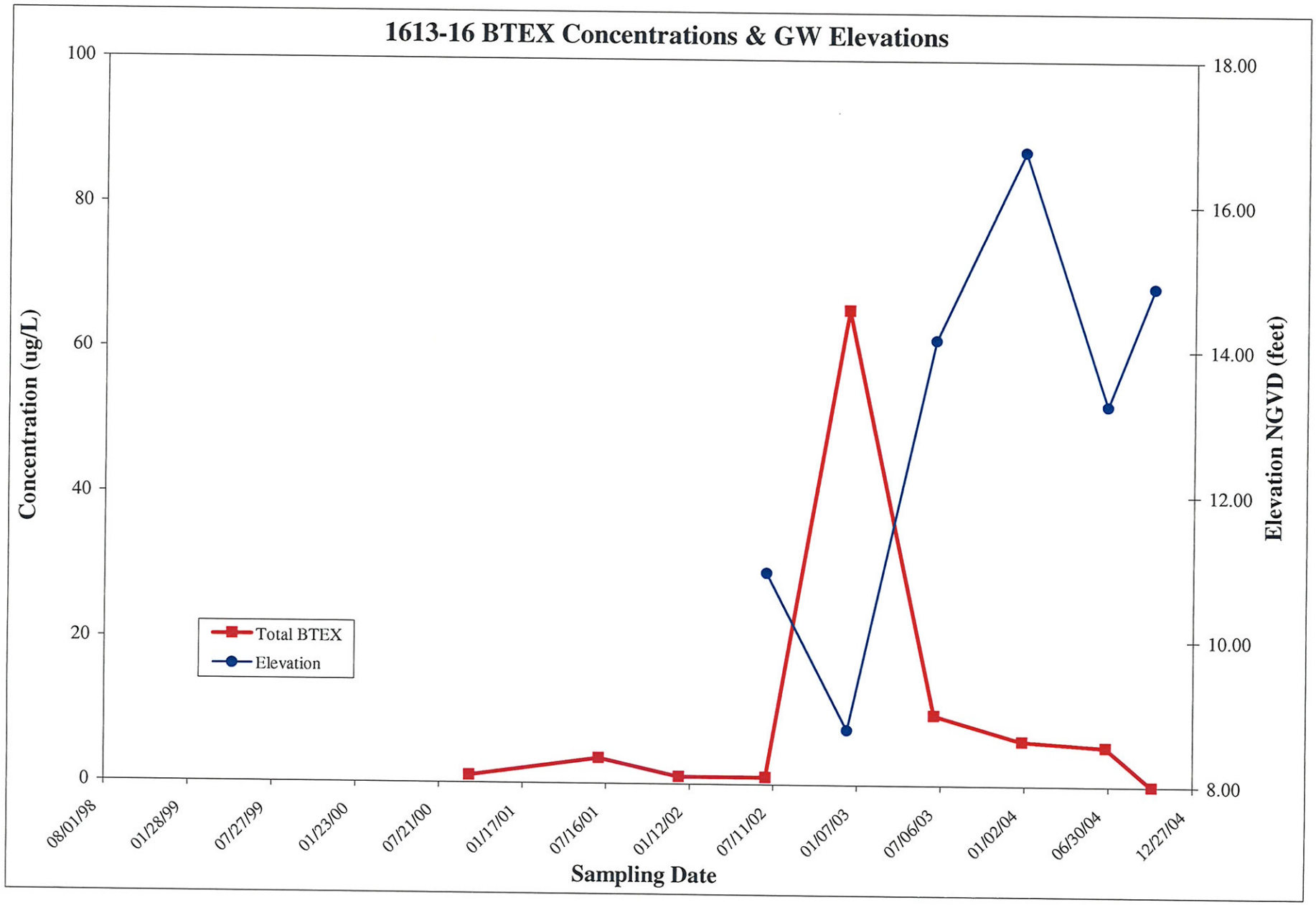
Were any significant modifications to the VPH method made? **No**

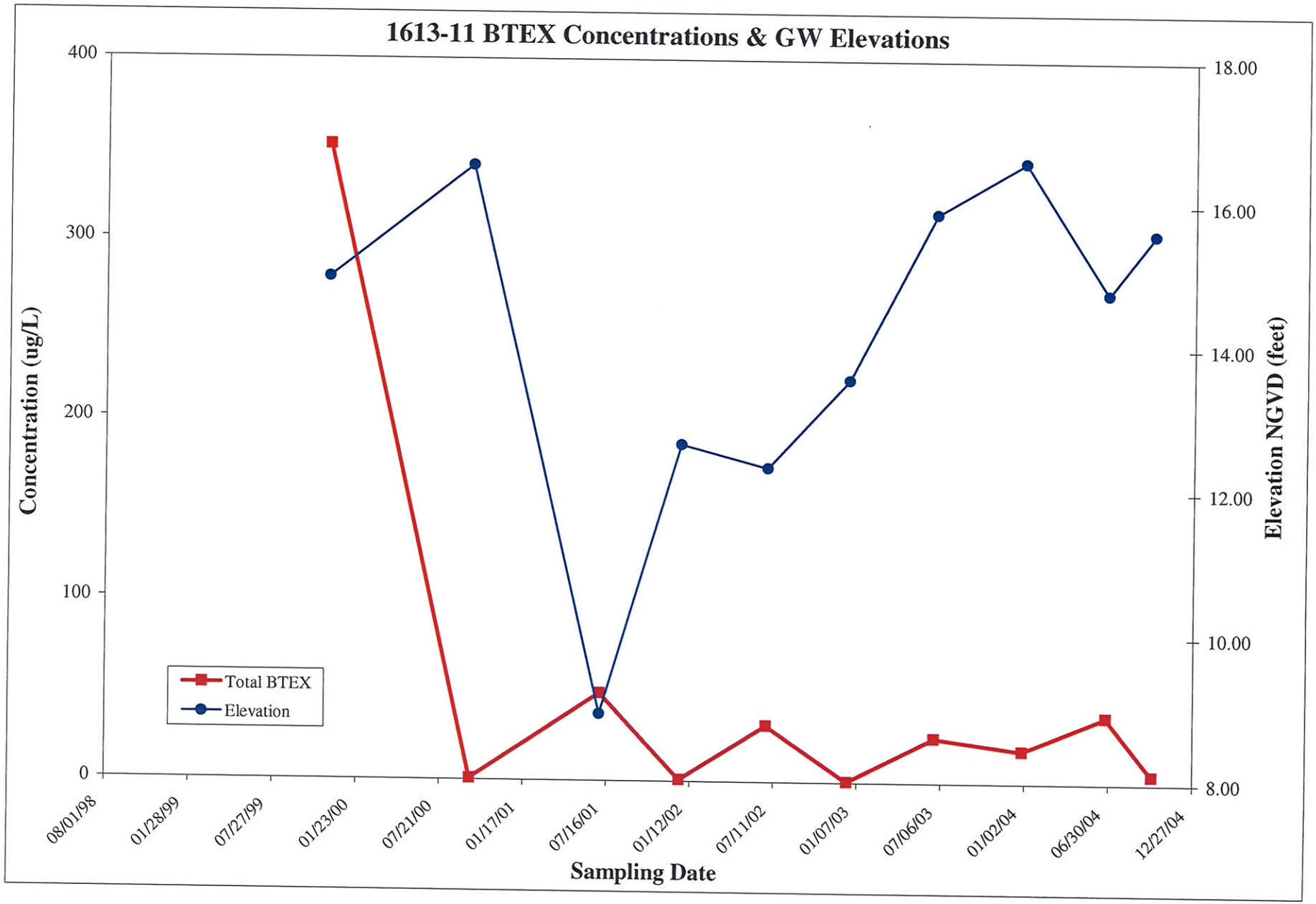
APPENDIX E

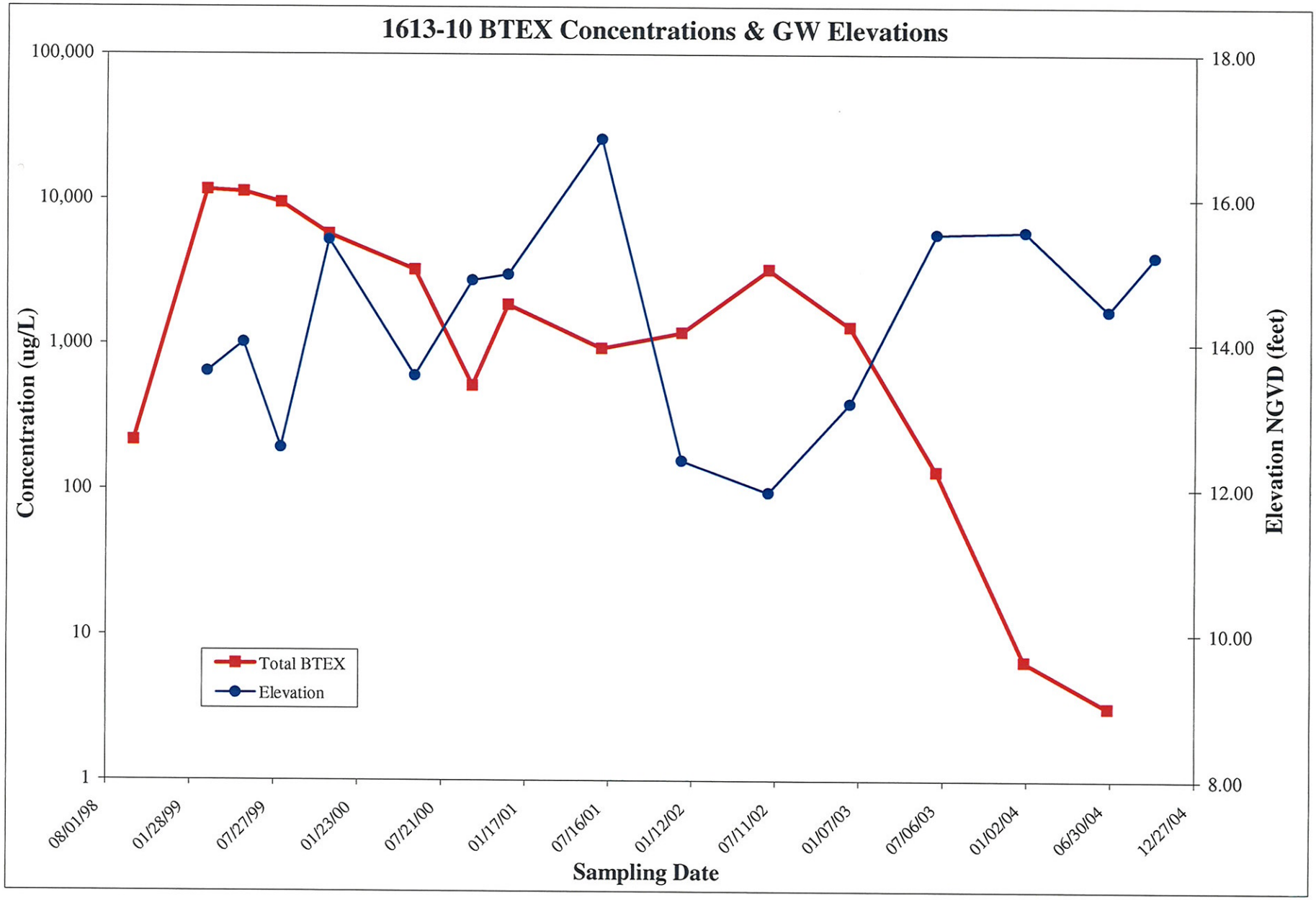
GROUNDWATER ELEVATION vs BTEX CONCENTRATION GRAPHS


1613-22 BTEX Concentrations & GW Elevations
Concentration (ug/L)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Elevation NGVD (feet)
18.00
16.00
14.00
12.00
10.00
8.00
Total BTEX
Elevation
08/01/98
01/28/99
07/27/99
01/23/00
07/21/00
01/17/01
07/16/01
01/12/02
07/11/02
01/07/03
07/06/03
01/02/04
06/30/04
12/27/04
Sampling Date


HPGW-6 BTEX Concentrations & GW Elevations
10,000
1,000
100
10
1
Concentration (ug/L)
18.00
16.00
14.00
12.00
10.00
8.00
Elevation NGVD (feet)
Total BTEX
Elevation
08/01/98
01/28/99
07/27/99
01/23/00
07/21/00
01/17/01
07/16/01
01/12/02
07/11/02
01/07/03
07/06/03
01/02/04
06/30/04
12/27/04
Sampling Date


1613-16 BTEX Concentrations & GW Elevations
Concentration (ug/L)
Elevation NGVD (feet)
Sampling Date
Total BTEX
Elevation
100
80
60
40
20
0
18.00
16.00
14.00
12.00
10.00
8.00
08/01/98
01/28/99
07/27/99
01/23/00
07/21/00
01/17/01
07/16/01
01/12/02
07/11/02
01/07/03
07/06/03
01/02/04
06/30/04
12/27/04


1613-11 BTEX Concentrations & GW Elevations
Concentration (ug/L)
Elevation NGVD (feet)
Sampling Date
Total BTEX
Elevation
400
300
200
100
0
18.00
16.00
14.00
12.00
10.00
8.00
08/01/98
01/28/99
07/27/99
01/23/00
07/21/00
01/17/01
07/16/01
01/12/02
07/11/02
01/07/03
07/06/03
01/02/04
06/30/04
12/27/04


1613-10 BTEX Concentrations & GW Elevations
100,000
10,000
1,000
100
10
1
Concentration (ug/L)
18.00
16.00
14.00
12.00
10.00
8.00
Elevation NGVD (feet)
Total BTEX
Elevation
08/01/98
01/28/99
07/27/99
01/23/00
07/21/00
01/17/01
07/16/01
01/12/02
07/11/02
01/07/03
07/06/03
01/02/04
06/30/04
12/27/04
Sampling Date