2007-2008 ANNUAL MONITORING REPORT
SOIL AND GROUNDWATER REMEDIATION
BUILDING AS-4158
MARINE CORPS AIR STATION
NEW RIVER, NORTH CAROLINA

Prepared for

DEPARTMENT OF THE NAVY
Contract No. N62470-02-D-3260
Task Order 081

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Task Order 081
Shaw Project No. 125709
May 2008

ACRONYM LIST

AFVR	aggressive fluid-vapor recovery
AST	aboveground storage tank
BQL	Below Laboratory Quantitation Limits
CAP	Corrective Action Plan
Catlin	Catlin and Engineers and Scientists, Inc.
DWM	Division of Waste Management
EEI	Engineering and Environment, Inc.
EMD	Environmental Management Division
ft bls	feet below land surface
GTGS	Groundwater Technology Government Services
J.A. Jones	J.A. Jones Environmental Services Company
LNAPL	light non-aqueous phase liquid
Law	Law Engineering and Environmental Services, Inc.
µg/l	micrograms per liter
mg/kg	milligrams per kilogram
mg/m^3	milligrams per cubic meter
MCAS	Marine Corps Air Station
NAVFACENGCOM	Naval Facilities Engineering Command
NCAC	North Carolina Administrative Code
NCDENR	North Carolina Department of Environment and Natural Resources
PAH	Polynuclaic Aromatic Hydrocarbon
Paradigm	Paradigm Analytical Laboratories, Inc.
ppm	parts per million
SVE	Soil Vapor Extraction
TPH	Total Petroleum Hydrocarbons
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	Volatile Organic Compound
MW	Monitoring Well
PW	Pumping Well
HP	Hydro punch Penetrometer
cfm	cubic feet per minute

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EXECUTIVE SUMMARY

On behalf of the Department of the Navy Atlantic Division, Naval Facilities Engineering Command, (NAVFACENGCOM), Shaw Environmental, Inc. (Shaw) has prepared this Annual Monitoring Report for the Building AS-4158 Site, Marine Corps Air Station New River, North Carolina. **Figure 1.1** presents the location of the base depicting the vicinity of this site. The Air Station is associated with Marine Corps Base (MCB) Camp Lejeune. This report documents quarterly monitoring and sampling activities conducted for 2007-2008.

The site is located on Marine Corps Air Station New River in Onslow County, North Carolina as shown in **Figure 1.2**. The Building AS-4158 site has been assigned incident number 10804 by the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management (DWM). Previous investigations indicate the site meets criteria as a High Risk site and for Industrial/Commercial land use.

Initially, free phase product was observed at the Building AS-4158 site during the removal of three fuel dispensing USTs on August 18, 1992. Subsequent investigations indicated that petroleum hydrocarbon constituents in soil were limited to the immediate vicinity and downgradient of the former underground storage tank (UST) system, and free phase product was observed in an area further downgradient of the former UST system. Dissolved phase constituents were limited primarily to shallow groundwater. Delineation of the affected soil and groundwater was completed in October 1994.

A Corrective Action Plan (CAP) was prepared by CATLIN Engineers and Scientists (CATLIN) for the Building AS-4158 site in September 1995. The CAP indicated potential receptors were Southwest Creek and its associated marsh, and a drinking water supply well AS-4150 located approximately 650 feet from the site. The CAP recommended installing an air sparge/soil vapor extraction (AS/SVE) system to remediate soil and groundwater at the site. Initial remedial activities included the installation of a passive skimmer to recover free phase product from monitoring well MW-9. The skimmer is no longer present.

In April 1998 an AS/SVE system was installed and remained in operation until December 1999, at which time the treatment system was shut down due to consistently low concentrations of petroleum related constituents. One year of post-operation monitoring was initiated. In February 2001, however, the system was restarted due to an increase in contaminant concentrations in monitoring wells MW-9, MW-11, and MW-13.

From April 1998 through April 2002, J.A. Jones implemented the CAP prepared by CATLIN. The remedial approach consisted of air sparging and soil vapor extraction as well as groundwater monitoring to maintain optimum treatment system performance and track petroleum-impacted groundwater migration to verify remediation progress.

In January 2002 a fuel leak from an underground fuel transfer line was suspected. The underground fuel line was tightness tested in April 2002. The results confirmed a leak, which was found to have occurred in the vicinity of monitoring well MW-9. The release was then reported to the NCDENR on April 30, 2002 and repairs were made in November 2002. During that reporting period, product thickness was measured on a regular basis in MW-9 and hand bailing was performed routinely to recover free phase product at this well. Between April 1998 and December 2002 a total of 110 gallons of free phase product was recovered from monitoring well MW-9.

In September 2004, an additional soil assessment was conducted by CATLIN at the site. The investigation indicated that no additional soil remediation activities were needed.

A Remedial Action Optimization and Revised Corrective Action Plan (RAO & RCAP) was prepared at the site by CATLIN in August 2005. The study indicated the site meets criteria for classification as Industrial/Commercial Land Use and High Risk site, based on an inactive water supply well located within 1,000 feet of the site. The study recommended conducting free phase product delineation activities in the vicinity of monitoring well MW-9, deactivate the western AS/SVE line, and reduce the frequency and number of wells included in the groundwater monitoring programs.

In December 2005, the NCDENR accepted alternative recommendations for the RAO & RCAP proposed by MCB Camp Lejeune. The changes included foregoing the free phase product delineation activities in the vicinity of monitoring well MW-9 and instead conducting a risk-based sampling event as an alternative since no free phase product had been present in monitoring well MW-9 since January 2005 (0.02 feet). In addition, MCB requested that the whole AS/SVE system be shut down in January 2006 since sampling data from 2005 indicated that contaminant levels decreased significantly enough to warrant deactivation. All groundwater well concentrations from the last sampling event in July 2005 were below the North Carolina Groundwater Quality Standard (NCGWQS). Recommendation was also made to reduce the site-risk level from high to low since the drinking water supply well AS-4150 was taken offline and shut down. Finally, conduct gauging of site wells for a period of 12 months followed by a groundwater sampling event of select wells based on historical data to monitor post operational performance.

Shaw conducted well gauging at 10 site monitoring wells from January 2006 through March 2008 to check for the presence of free phase product at the site. On January 9 and March 26, 2008, free phase product was present in monitoring well MW-9 at a thickness of 0.01 feet for the first time since January 2005.

This 2007-2008 Annual Monitoring Report documents the quarterly gauging and sampling of 10 monitoring wells.

SECTION 1.0

INTRODUCTION

On behalf of the Department of the Navy Atlantic Division, NAVFACENGCOM, Shaw Environmental, Inc. has prepared this Annual Monitoring Report for the Building AS-4158 Site, Marine Corps Air Station (MCSA) New River, North Carolina **(Figure 1.1)**. The purpose of this report is to present the findings and recommendations associated with the quarterly groundwater monitoring activities from June 2007 through March 2008. This report and the methods used to acquire the data in support of this report have been prepared in accordance with the NCDENR, DWM, Underground Storage Tank (UST) Section guidelines.

Building AS-4158 is located at the MCAS New River, North Carolina **(Figure 1.2)**. **Figure 1.3** provides a vicinity location of the Building AS-4158 site. The facility is used to provide fuel and maintenance to vehicles at the MCAS. The site is located on Perimeter Street, west of the airfield. The site is generally flat, and most of the area is paved. Building AS-4158 is located at the north end of the site. Currently, two 10,000-gallon aboveground storage tanks (ASTs) used for diesel fuel storage are located towards the southern end of the site. Fuel is transported by way of an underground pipeline from the ASTs to the dispensers located adjacent to Building AS-4158. One 1,000-gallon used oil AST is also in use at the site on the northwest side of Building AS-4158. No permanent surface water bodies are present at the site. The nearest surface water body is Southwest Creek and associated marsh located approximately 1,000 west of the site. The nearest drinking water supply well, well AS-4150, located approximately 650 feet east of the site was taken offline and shut down in 2005.

1.1 SITE HISTORY

According to the Leaking Underground Storage Tank Site Assessment Report, dated October 4, 1994 and prepared by Law, the presence of hydrocarbon material was identified by Environmental and Regulatory Consultants, Inc. during the removal of three 3,000-gallon USTs on August 18, 1992. One of the 3,000-gallon steel USTs supplied gasoline for MCAS vehicles. The other two 3,000-gallon steel USTs supplied diesel fuel for MCAS vehicles. No documentation was made of the age or condition of the USTs at the time of removal. The three USTs were replaced with two 10,000 gallon capacity ASTs, which currently store diesel fuel and are located adjacent to the location of the former USTs.

In 1993, Groundwater Technology Government Services (GTGS) performed a site assessment at Building AS-4158, which included the installation of three monitoring wells. An additional assessment was conducted by Law to evaluate the impact to the groundwater and vadose zone soil caused by the release of petroleum hydrocarbon contaminants from the former USTs. A summary of these site assessments are presented in Section 1.2 Site Assessment and Corrective Action Summary.

An evaluation of appropriate remedial alternatives for the Building AS-4158 site was presented in the CAP, prepared by CATLIN Engineers and Scientists (CATLIN) and dated September 11, 1995. The selected remedial approach at Building AS-4158 consisted of an AS/SVE system to address the dissolved phase petroleum hydrocarbon constituents. Groundwater monitoring was performed to evaluate the migration and attenuation of the dissolved petroleum hydrocarbon constituents from the former UST basin.

The AS/SVE system was installed and activated in April 1998. The system consists of two north-south oriented horizontal AS and SVE wells. **Figure 1.3** presents the AS/SVE system and monitoring wells at the subject site. The system remained operational through December 1999, as dissolved-phase constituent concentrations had decreased to very low concentrations, and measurable free phase product was no longer present at monitoring well MW-9. The system was restarted in February 2001 due to increasing dissolved-phase constituent concentrations.

To monitor the dissolved petroleum hydrocarbon constituents in groundwater, J.A. Jones collected groundwater samples during 19 quarterly events (from April 1998 to January 2003) from the following monitoring wells; MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, MW-10, MW-11, MW-13, MW-14, MW-15, MW-17 and MW-18. A summary of the groundwater monitoring activities is presented in Section 2.1 Groundwater Monitoring.

In January 2003, J.A. Jones recommended shutting the AS/SVE system down and continued the removal of free phase product from MW-9 using absorbent hydrocarbon socks and manual bailing until product was not detected during four consecutive quarters. Following four consecutive quarters of no product, quarterly post-operation sampling would be initiated until dissolved petroleum related constituent concentrations consistently met the site rehabilitation concentrations established by the 15A NCAC 2L groundwater quality standards. However, in January 2003, free phased product was still present in MW-9. Therefore, the AS/SVE system remained in operation.

In January 2004, Shaw Environmental, Inc. submitted an Annual Monitoring Report documenting remedial system operation and groundwater analytical results from April 1998 to January 2003 conducted by J.A. Jones.

In November 2005, Engineering and Environment, Inc. (EEI) submitted an Annual Monitoring Report documenting groundwater remediation and monitoring activities from April 2004 to August 2005 conducted by EEI.

In January 2006, the AS/SVE system was shut down because sampling data from 2005 indicated that contaminant levels of the dissolved phase petroleum hydrocarbon constituents had decreased significantly enough to warrant deactivation and all groundwater monitoring well concentrations were below the NCGWQS during the last sampling event conducted in August 2005. In addition, no free phase product was present in monitoring well MW-9 since January 2005 (0.02 feet) and the drinking water supply well AS-4150 was taken offline and shut down.

Shaw conducted well gauging at 10 site monitoring wells from January 2006 through March 2008 to check for the presence of free phase product at the site. On January 9 and March 26, 2008, free phase product was present in monitoring well MW-9 at a thickness of 0.01 feet for the first time since January 2005.

In June 2007, October 2007, January 2008, and March 2008, well gauging and groundwater sampling of 10 select monitoring wells based on historical data were initiated to monitor post operational performance.

1.2 SITE ASSESSMENT ACTIVITIES SUMMARY

In March and April of 1993, GTGS performed a three well site check, which involved the advancement of three soil borings that were converted to monitoring wells MW-1, MW-2, and MW-3. Each of the monitoring wells was installed to a depth of approximately 17 feet below ground surface (ft-bgs) and completed using 15 feet of screened section. Groundwater samples were collected from each of the three monitoring wells and were analyzed for volatile aromatic hydrocarbons using USEPA Method 602. Dissolved hydrocarbons were detected in each of the three groundwater samples.

In December 1993 and January 1994, as part of the site assessment activities, Law installed 15 hydro-punch penetrometers, 12 Type II groundwater monitoring wells, three Type III groundwater monitoring wells, and one 6-inch diameter recovery well to evaluate site geology and determine the extent of petroleum-impacted groundwater and unsaturated soil. The monitoring wells and recovery well were designated as MW-4 through MW-18 and PW-1, respectively.

During field investigation work documented by the Site Assessment Report, Law collected soil samples from the 16 borings advanced for the installation of the Type II and Type III groundwater monitoring wells as well as the recovery well.

- Two soil samples were collected from each soil boring for MW-4, MW-5, MW-7 through MW-18 and PW-1. The samples were analyzed for gasoline range and diesel range TPH using USEPA Methods Modified 8015/5030 and 8015/3550, respectively.

- Three soil samples were collected from the soil boring for MW-6 and analyzed for gasoline range and diesel range TPH using USEPA Method Modified 8015/5030 and 8015/3550, respectively.

Two soil samples were retained from each soil boring for either on-site or off-site laboratory analysis. The on-site laboratory was owned and operated by Geochem, Incorporated located in Morrisville, North Carolina. All off-site samples were submitted to Law Environmental National Laboratories in Pensacola, Florida. The laboratory results are summarized below:

- TPH-gasoline was detected in MW-4 (1.2 mg/kg), MW-9 (180 mg/kg), and MW-13 (0.87 mg/kg). All except for MW-9 were below the NCDENR action levels of 10 mg/kg for TPH-gasoline.
- TPH-diesel was detected in MW-9 (3,400 mg/kg), MW-11 (17 mg/kg), MW-15 (3.3 mg/kg), and MW-17 (5.7 mg/kg). All except for MW-9 were below the NCDENR action levels of 40 mg/kg for TPH-diesel.

Type II groundwater monitoring wells, designated MW-4, MW-5, MW-6, MW-7, MW-10, MW-12, MW-14 were installed to a depth of 16.5 ft-bgs completed with a 10-foot section of well screen. Type II groundwater monitoring wells, designated MW-8, MW-9 (product recovery well), MW-11, MW-13, and MW-15 were installed to a depth of 17 ft-bgs completed with a 10 foot section of well screen. Type III groundwater monitoring wells, designated MW-16 through MW-18 were installed to a depth of 50.5 ft bls completed with a 5 foot section of well screen. In addition, the pumping well, designated PW-1 was installed to a depth of 30 ft-bgs completed with a 20 foot section of well screen set at the well completion depth.

In December 1993, 10 groundwater samples were collected using a Hydro punch sampling probe to provide delineation information concerning the dissolved petroleum hydrocarbon constituents and LNAPL plume at Building AS-4158. Groundwater samples were collected by driving the Hydro punch probe through the unsaturated zone into the water bearing zone and then opening the Hydro punch to allow groundwater to enter the sample chamber. A small-diameter, decontaminated Teflon bailer was then lowered into the chamber to collect the samples. In addition, during December 1993 and January 1994, groundwater samples were collected from monitoring wells MW-1 through MW-18 and PW-1. The samples were analyzed for volatile aromatic hydrocarbons using USEPA Method 601/602 and USEPA Method 625 (reporting Method 610 analyte list).

Petroleum hydrocarbon constituents were detected in the groundwater samples collected from hydropunch penetrometers HP-1 through HP-8 and groundwater monitoring wells MW-2 through MW-4, MW-7, MW-9 (former product recovery well) through MW-17, and PW-1. According to the CAP dated September 11, 1995, prepared by Catlin, the primary groundwater contaminants identified at the site were benzene, ethylbenzene, acenaphthene, anthracene, benzo(a)anthracene, chrysene, fluoranthene, 1-Methylnaphthalene, 2-Methylnaphthalene, bromoform, dibromochloromethane, bromodichloromethane, and chloroform. The maximum detected groundwater

concentrations of these contaminants, as presented in the CAP, with their corresponding site rehabilitation levels, as established in NCAC Title 15A Subchapter 2L groundwater quality standards, are presented below:

North Carolina Groundwater Quality Standards and Site Target Cleanup Concentrations

Groundwater Constituent	Maximum Detected Concentration (µg/l)	Site Rehabilitation Concentration (µg/l)
Benzene	1,400	1.0
Ethylbenzene	1,700	29
Acenaphthene	2.8	80
Anthracene	1.2	2,100
Benzo(a)anthracene	18	.05
Chrysene	7.0	5
Fluoranthene	2.7	280
1-Methylnaphthalene	3.4	*
2-Methylnaphthalene	2.9	28
Bromoform	2.3	0.19
Dibromochloromethane	1.6	*
Bromodichloromethane	0.7	*
Chloroform	2.7	0.00019

The asterisk (*) indicates that no numerical standard has been established. As a result, according to NCAC Title 15A Subchapter 2L, the target rehabilitation concentration is the laboratory detection limit.

According to the CAP, dated September 11, 1995, prepared by Catlin, contaminants of concern identified in soil at the site are TPH-gasoline range (EPA Method 5030) and TPH-diesel range (EPA Method 3550). The maximum detected soil concentrations for these TPH ranges, as presented in the CAP, with their corresponding site rehabilitation levels, are provided below:

Soil Maximum Detected Concentrations and Site Target Cleanup Concentrations

Soil Constituent	EPA Method	Sample Location	Maximum Detected Concentration	Site Rehabilitation Concentration
TPH Gasoline range	5030	MW9 (8.5'-10.5')	180 mg/Kg	40 ppm
TPH Diesel range	3550	MW9 (8.5'-10.5')	3,400 mg/Kg	160 ppm

SECTION 2.0

FIELD PROGRAM

This section contains the summaries of the groundwater monitoring, soil assessments, AS/SVE system performance, and free phase product recovery during the period of April 1998 through March 2008.

2.1 GROUNDWATER MONITORING SUMMARY (1998-2008)

Groundwater elevations were measured monthly from April 1998 to January 2003 in each of the 19 groundwater monitoring wells, MW-1 through MW-18 and pumping well PW-1 by J.A. Jones. Groundwater elevations were measured monthly from April 2004 to August 2005 in each of 17 groundwater monitoring wells, MW-1 through MW-11, and MW-13 through MW-18 by EEI. Free product has been present on the site periodically in monitoring well MW-9 until January 4, 2005 when free phase product was detected at the site at a thickness of 0.02 feet in monitoring well MW-9. Groundwater elevations were measured monthly from January 2006 to March 2007 in each of 10 groundwater monitoring wells, MW-4 through MW-7, MW-9 through MW-11, MW-13, MW-14, and MW-16 by Shaw, with no free phase product detected at the site. Groundwater elevations were measured quarterly from June 2007 to March 2008 in each of 10 groundwater monitoring wells, MW-1, MW-7 through MW-11, MW-13 through MW-15, and MW-17 by Shaw, with free phase product detected at the site on January 9, 2008 and March 26, 2008 when a thickness of 0.01 feet was present in monitoring well MW-9. The groundwater elevation data for January 2000 through March 2008, including the depth to water and free phase product, are presented in **Table 1.1**. The monitoring wells at the site were resurveyed in August 2006 and the groundwater elevations were calculated for the new survey data. The groundwater sample collection field logs for the four quarterly groundwater events from June 2007 to March 2008 are provided in **Appendix A**.

2.2 2007-2008 GAUGING EVENTS

Groundwater elevations were measured quarterly from June 2007 to March 2008 from 11 to 16 groundwater monitoring wells.

2.21 JUNE 2007 GAUGING EVENT

Prior to groundwater sample collection depth to groundwater measurements were measured on June 27, 2007 from 16 monitoring wells (USTAS4158-MW01 through USTAS4158-MW18). Groundwater measurements were not obtained from monitoring well USTAS4158-MW02 since it was dry and monitoring well USTAS4158-MW12 had been covered with asphalt. On June 27, 2007, depth to groundwater ranged from 7.43 ft-

bgs (MW-1) to 11.43 ft-bgs (MW-13) in the shallow monitoring wells that were gauged. **Figure 2.1** presents the groundwater elevation contour map for June 27, 2007 from the Type II (shallow) monitoring wells. Groundwater elevations for the shallow wells ranged from 13.35 feet National Geodedic Vertical Datum (NGVD) in monitoring well MW-5 to 11.65 feet NGVD in monitoring well MW-10. The shallow groundwater flows from the southwest to the northeast at a horizontal hydraulic gradient of 0.00625 ft/ft from MW-7 to MW-13. No free phase product was detected in any of the monitoring wells during the June 27, 2007 gauging event.

2.22 OCTOBER 2007 GAUGING EVENT

Groundwater measurements were taken on October 9, 2007 from 11 monitoring wells (USTAS4158-MW01, USTAS4158-MW07 through USTAS4158-MW11, and USTAS4158-MW13 through USTAS4158-MW17). On October 9, 2007, depth to groundwater ranged from 8.41 ft-bgs (MW-1) to 12.11 ft-bgs (MW-13) in the shallow monitoring wells that were gauged. **Figure 2.2** presents the groundwater elevation contour map for October 9, 2007 from the Type II (shallow) monitoring wells. Groundwater elevations for the shallow wells ranged from 12.95 feet NGVD in monitoring well MW-10 to 11.12 feet NGVD in monitoring well MW-13. The shallow groundwater flows from the west to the east at a horizontal hydraulic gradient of 0.019 ft/ft from MW-10 to MW-8. No free phase product was detected in any of the monitoring wells during the October 9, 2007 gauging event.

2.23 JANUARY 2008 GAUGING EVENT

Groundwater measurements were taken on January 8, 2008 from 16 monitoring wells (USTAS4158-MW01 through USTAS4158-MW18). Groundwater measurements were not obtained from monitoring well USTAS4158-MW02 since it was dry and monitoring well USTAS4158-MW12 had been covered with asphalt. On January 8, 2008, depth to groundwater ranged from 10.03 ft-bgs (MW-1) to 12.92 ft-bgs (MW-13) in the shallow monitoring wells that were gauged. **Figure 2.3** presents the groundwater elevation contour map for January 8, 2008 from the Type II (shallow) monitoring wells. Groundwater elevations for the shallow wells ranged from 11.57 feet NGVD in monitoring well MW-14 to 9.94 feet NGVD in monitoring well MW-7. The shallow groundwater flows from the west to the east at a horizontal hydraulic gradient of 0.020 ft/ft from MW-14 to MW-11. Free phase product was detected in monitoring well MW-9 at a thickness of 0.01 feet during the January 8, 2008 gauging event.

2.24 MARCH 2008 GAUGING EVENT

Groundwater measurements were taken on March 26, 2008 from 11 monitoring wells (USTAS4158-MW01, USTAS4158-MW07 through USTAS4158-MW11, and USTAS4158-MW13 through USTAS4158-MW17). On March 26, 2008, depth to groundwater ranged from 8.64 ft-bgs (MW-1) to 12.07 ft-bgs (MW-13) in the shallow monitoring wells that were gauged. **Figure 2.4** presents the groundwater elevation contour map for March 26, 2008 from the Type II (shallow) monitoring wells.

Groundwater elevations for the shallow wells ranged from 12.07 feet NGVD in monitoring well MW-9 to 11.26 feet NGVD in monitoring well MW-7. The shallow groundwater flows from the southwest to the northeast at a horizontal hydraulic gradient of 0.016 ft/ft from MW-9 to MW-11. Free phase product was detected in monitoring well MW-9 at a thickness of 0.01 feet during the March 26, 2008 gauging event.

2.3 SOIL ASSESSMENT SUMMARY

According to the UST closure report prepared by ERC, soils located beneath the USTs were not submitted for laboratory analysis due to the apparent presence of free phase product on the water that accumulated with the excavation.

In March and April of 1993, GTGS performed a three well site check, which involved the advancement of three soil borings that were converted to monitoring wells MW-1, MW-2, and MW-3. Soil samples were collected from each of these borings for laboratory analysis of total petroleum hydrocarbons (TPH) as diesel and gasoline. Laboratory results from the soil samples collected from the borings associated with MW-1 and MW-3 were below detectable concentrations of TPH-Diesel and TPH-Gasoline. TPH-Diesel concentrations of 99 mg/Kg and below detectable concentrations of TPH-Gasoline were indicated in the soil sample from MW-2.

During field investigation work documented by the Site Assessment Report in October 1994, Law collected soil samples from the 16 borings advanced for the installation of the groundwater monitoring wells on the subject site. The laboratory results are summarized below:

- TPH-gasoline was detected in soil from boreholes MW-4 (1.2 mg/kg), MW-9 (180 mg/kg), and MW-13 (0.87 mg/kg). All except for MW-9 were below the NCDENR action level of 10 mg/kg for TPH-gasoline.
- TPH-diesel was detected in soil from boreholes MW-9 (3,400 mg/kg), MW-11 (17 mg/kg), MW-15 (3.3 mg/kg), and MW-17 (5.7 mg/kg). All except for MW-9 were below the NCDENR action level of 40 mg/kg for TPH-diesel.

Based on a review of the above referenced reports, CATLIN identified soil contamination above the final clean-up goal of 40 mg/Kg for TPH-Gasoline and 160 mg/Kg for TPH-Diesel as established within the CAP, at only one location, monitoring well MW-9.

In September 2004, a soil assessment was conducted by CATLIN for Building AS-4158. Soil samples were collected from sixteen locations in the vicinity of the fuel dispensers, inactive pipelines associated with the former USTs, and monitoring wells MW-2 and MW-9 (location of historical soil contamination). All sixteen samples were analyzed for EPA Method 8260B/5035, EPA Method 8270, and MADEP VPH/EPH. All samples detected concentrations either below the laboratory detection limit or at levels below the lowest Maximum Soil Contaminant Concentration (MSCC). The results of the soil samples collected during the soil assessment activities indicated that there was no soil contamination above the lowest MSCC for soils in the vicinity of the former USTs and pipelines. Therefore, no additional soil remediation activities were warranted at that time.

2.4 AS/SVE SYSTEM PERFORMANCE SUMMARY

The AS/SVE system was designed to reduce the dissolved phase petroleum hydrocarbon constituents in the groundwater to site rehabilitation levels regulated by the NCDENR. These site rehabilitation levels are provided in the NCAC Title 15A Subchapter 2L.

The system was started April 4, 1998 and operated continuously until it was shut down on December 29, 1999. The system was shut down because a measurable volume of free phase product had not been detected in recovery well MW-9 since December 10, 1998, and dissolved concentrations of petroleum related constituents had remained at very low concentrations. Beginning in October 2000, review of analytical results from groundwater samples collected during the quarterly post-operation monitoring well sampling event indicated that benzene was detected in samples from monitoring wells MW-9, MW-11, and MW-13 at slightly higher concentrations than those detected during the previous quarter (July 2000). Overall, the concentration of benzene in MW-9 (17 µg/l, January 2000; to 100 µg/l, October 2000) had increased by an order of magnitude since the system's shut down. Concentrations of benzene (BQL to 300 µg/l), ethylbenzene (BQL to 550 µg/l), and total xylenes (BQL to 1,280 µg/l) detected in MW-13 had increased several orders of magnitude since the remedial system was shutdown. The system was restarted in February 2001 due to these increasing dissolved-phase constituent concentrations.

To monitor the effectiveness of the AS/SVE system in the reduction of dissolved petroleum hydrocarbon constituents in groundwater, J.A. Jones collected quarterly groundwater samples from the site monitoring wells from March 1998 to January 2003. Subsequently, EEI collected quarterly groundwater samples from the site monitoring wells from April 2004 to August 2005. These monitoring wells were used to evaluate the migration of dissolved petroleum hydrocarbon constituents from the former UST basin. Review of the analytical results from these quarterly groundwater samples indicate that five monitoring wells (MW-2, MW-9, MW-10, MW-11 and MW-13) exceeded North Carolina Groundwater Quality Standards (NCGWQS) in March 1998, four monitoring wells (MW-2, MW-9, MW-11 and MW-13) exceeded NCGWQS in May 1998, and only three monitoring wells (MW-9, MW-11 and MW-13) exceeded NCGWQS from June

1998 through January 2005, with the exception of monitoring well MW-1 exceeding NCGWQS during the October 1998 event only. Only monitoring well MW-9 exceeded the NCGWQS in April 2005 and none of the monitoring wells exceeded the NCGWQS in July 2005. All groundwater samples were delivered to Paradigm and Accutest laboratories, respectively, for J.A. Jones for EEI, and analyzed for volatile aromatic hydrocarbons using USEPA Method 602 and USEPA Method 625 (reporting Method 610 analyte list).

The AS/SVE system was started April 4, 1998 and operated continuously until it was shut down on December 29, 1999. The AS/SVE system was operational again from February 2001 to March 2004. The AS/SVE system was down for repairs for two months and operational again from May 2004 to December 2005. The AS/SVE system was shut down on January 9, 2006 since results from the sampling data in 2005 indicated that dissolved phase petroleum hydrocarbon contaminant levels decreased significantly enough to warrant deactivation. An additional sampling event was in July 2005 for validation of the contaminant levels before system deactivation. All groundwater well concentrations were below the NCGWQS during this last sampling event.

2.5 FREE PHASE PRODUCT RECOVERY SUMMARY

Free phase product recovery was initially recommended during the Site Assessment and initiated in April 1995. According to the CAP prepared by CATLIN, from April 1995 to July 1995, 3.51 gallons of free phase product had been recovered from MW-9 using a passive skimmer. Free phase product gauging activities conducted July 13, 1995 indicated that product thickness in MW-9 had decreased from 6.03 feet to 0.02 feet. Measurable free phase product thickness was not identified in any other on-site monitoring well during site assessment and corrective action activities.

Free phase product was monitored on a monthly basis starting in April 1998 when the AS/SVE system was installed. Free phase product was detected in monitoring well MW-9 at the following thicknesses during system operation: 0.38 ft in June 1998, 0.34 ft in July 1998, 0.03 ft in August 1998, 0.02 ft in September 1998, 0.09 ft in October 1998, and 0.02 ft in December 1998. No free phase product was present in monitoring well MW-9 during all of 1999 and the AS/SVE system was shut down on December 29, 1999.

No free phase product was present in monitoring well MW-9 during all of 2000, however, due to increasing dissolved-phase constituent concentrations in monitoring wells MW-9 and MW-13, an AFVR event was conducted on monitoring wells MW-9 and MW-13 on December 14, 2000. This AFVR event recovered 10 gallons of free phase product and 1.73 gallons of VOCs as gasoline and diesel. Based on the increases in concentrations of volatile and semi-volatile organic compounds in groundwater samples collected from monitoring wells MW-9, MW-11, and MW-13, the AS/SVE system was re-started on February 13, 2001. On February 2, 2001, 0.2 gallons of free phase product was recovered from passive skimmers in monitoring wells MW-2 and MW-3. No free phase product was present during the rest of the year 2001 in any monitoring wells.

During the January 2002 quarterly sampling event, free phase product was discovered in MW-9 at a thickness of 2.9 feet. This was the first time free phase product had been detected in this well since December 1998. Tightness testing completed in April 2002 confirmed a leak in the underground transfer lines from an active AST system located adjacent to MW-9. Subsequent repairs were made once funding was received in November 2002.

Free phase product was detected in monitoring well MW-9 at the following thicknesses during 2002-2003: 2.9 ft in January 2002, 2.5 ft in February 2002, 1.53 ft in March 2002, 0.80 ft in April 2002, 0.69 ft in July 2002, 1.08 ft in August 2002, 0.15 ft in September 2002, 1.03 ft in October 2002, 1.21 ft in November 2002, and 2.37 ft in January 2003.

Approximately 67.03 gallons of product was removed from MW-9 in the period from January to December 2002 via hand bailing, and 5 gallons of free phase product was removed via vacuum truck. The total amount of free phase product recovered from the site from April 1998 to December 2002 was 110 gallons.

Free phase product was detected in monitoring well MW-9 at the following thicknesses during 2004-2005: 0.01 ft in May 2004, 0.10 ft in July 2004, and 0.02 ft in January 2005. The AS/SVE system was shut down in January 2006 since no free phase product was present at the subject site and all groundwater well concentrations were below the NCGWQS during the last sampling event before deactivation in July 2005.

Free phase product was detected in monitoring well MW-9 at the following thicknesses during 2007-2008: 0.01 ft in January 2008 and 0.01 ft in March 2008. The reappearance of free phase product was probably due to the 0.5 to 1.0 feet lower water table in 2007-2008 from 2006-2007 which may have released small pockets of product trapped under the previously higher water table.

Free phase product measurements from January 2000 through March 2008 are presented in **Table 1.1**.

SECTION 3.0
ANALYTICAL SUMMARY

Groundwater samples were collected quarterly from the site monitoring wells between March 1998 and January 2003 by J.A. Jones and from April 2004 through August 2005 by EEI. Shaw collected samples from March 2007 to March 2008 from ten selected monitoring wells based on historical data to monitor post operational performance. Samples were analyzed for VOCs, PAHs, and lead. This section summarizes these activities.

3.1 GROUNDWATER SAMPLING SUMMARY (1998-2008)

The groundwater monitoring well sampling events were completed in March 1998, May 1998, June 1998, July 1998, October 1998, January 1999, February 1999, April 1999, May 1999, July 1999, October 1999, January 2000, April 2000, July 2000, October 2000, January 2001, April 2001, July 2001, October 2001, January 2002, April 2002, and January 2003 by J.A. Jones. Additional groundwater monitoring well sampling events were completed in April 2004, July 2004, October 2004, January 2005, April 2005, and July 2005 by EEI. Shaw collected samples from the monitoring wells in March 2007, June 2007, October 2007, January 2008, and March 2008.

3.2 2007-2008 SAMPLING EVENTS

Ten groundwater monitoring wells were sampled quarterly from June 2007 to March 2008. Groundwater sample analytical results are provided in **Table 3.1**. Copies of the groundwater sample collection field logs are provided in **Appendix A**. The groundwater sample laboratory analytical reports are provided in **Appendix B**.

During each sampling event a minimum of three well volumes was purged from each monitoring well prior to groundwater sample collection using low flow methods. Groundwater samples were then collected from monitoring wells USTAS4158-MW01, USTAS4158-MW07, USTAS4158-MW08, USTAS4158-MW09, USTAS4158-MW10, USTAS4158-MW11, USTAS4158-MW13, USTAS4158-MW14, USTAS4158-MW15, and USTAS4158-MW17. The samples were placed in preserved containers supplied by the laboratory. The collected samples were immediately placed in a cooler with ice and sent via overnight courier to Accutest Laboratory located in Orlando, Florida. The samples were analyzed for VOCs using EPA Method 601/602 targeting BTEX, MTBE, and trihalomethanes), PAHs only using EPA Method 625, and lead using EPA Method 6010B.

June 23, 2007, analytical results are presented on **Figure 3.1** and summarized below*:*

- *VOCs Method 601/602 Results*: Analytical results from the groundwater samples did not detect VOC compounds above NC 2L Groundwater Quality Standards (GWQS) in any of the monitoring wells with the exception of USTAS4158-MW09 (benzene, 16.4 µg/l), USTAS4158-MW11 (benzene, 2.9 µg/l), and USTAS4158-MW13 (benzene, 9.2 µg/l).

- *PAHs Method 625 Results*: Analytical results from the groundwater samples did not detect PAH compounds above NC 2L GWQS in any of the monitoring wells.

- *Lead Method 6010B Results*: Analytical results from the groundwater samples did not detect lead in excess of North Carolina 2L GWQS in any of the monitoring wells with the exception of USTAS4158-MW14 (lead, 18.0 µg/l).

October 9, 2007, analytical results are presented on **Figure 3.2** and summarized below*:*

- *VOCs Method 601/602 Results*: Analytical results from the groundwater samples did not detect VOC compounds above NC 2L Groundwater Quality Standards (GWQS) in any of the monitoring wells with the exception of USTAS4158-MW09 (benzene, 8.0 µg/l) and USTAS4158-MW11 (benzene, 5.5 µg/l).

- *PAHs Method 625 Results*: Analytical results from the groundwater samples did not detect PAH compounds above NC 2L GWQS in any of the monitoring wells.

- *Lead Method 6010B Results*: Analytical results from the groundwater samples did not detect lead in excess of North Carolina 2L GWQS in any of the monitoring wells with the exception of USTAS4158-MW07 (lead, 67.3µg/l) and USTAS4158-MW14 (lead, 17.6µg/l).

January 9, 2008 analytical results are presented on **Figure 3.3** and summarized below*:*

A sample was not collected from monitoring well USTAS4158-MW09 due to the presence of 0.01 feet of free phased product.

- *VOCs Method 601/602 Results*: Analytical results from the groundwater samples did not detect VOC compounds above NC 2L Groundwater Quality Standards (GWQS) in any of the monitoring wells with the exception of USTAS4158-MW11 (benzene, 3.6µg/l) and USTAS4158-MW13 (benzene, 1.9µg/l).

- *PAHs Method 625 Results*: Analytical results from the groundwater samples did not detect PAH compounds above NC 2L GWQS in any of the monitoring wells.

- *Lead Method 6010B Results*: Analytical results from the groundwater samples did

not detect lead in excess of North Carolina 2L GWQS in any of the monitoring wells with the exception of USTAS4158-MW01 (lead, 28.0µg/l) and USTAS4158-MW14 (lead, 50.0µg/l).

March 26, 2008 analytical results are presented on **Figure 3.4** and summarized below*:*

A sample was not collected from monitoring well USTAS4158-MW09 due to the presence of 0.01 feet of free phased product.

- *VOCs Method 601/602 Results*: Analytical results from the groundwater samples did not detect VOC compounds above NC 2L Groundwater Quality Standards (GWQS) in any of the monitoring wells with the exception of USTAS4158-MW11 (benzene, 3.6µg/l) and USTAS4158-MW13 (benzene, 1.8 µg/l).

- *PAHs Method 625 Results*: Analytical results from the groundwater samples did not detect PAH compounds above NC 2L GWQS in any of the monitoring wells.

- *Lead Method 6010B Results*: Analytical results from the groundwater samples did not detect lead in excess of North Carolina 2L GWQS in any of the monitoring wells.

3.3 HISTORICAL GROUNDWATER SAMPLING (1998- 2008)

The following paragraphs provide a history of compounds detected at concentrations above NCDENR groundwater quality standards from each well:

MW-1: Benzene was detected at 6 µg/L in groundwater samples collected from MW-1 on October 21, 1998. The detected benzene concentration exceeded the NCDENR groundwater quality standard of 1 µg/L. Lead exceeded the NCDENR groundwater quality standard of 15 µg/L and was detected at 28 µg/L in groundwater samples collected from MW-1 on January 9, 2008. All chemicals of concern (COCs) have been below the site rehabilitation concentrations for the site as well as below laboratory quantitation limits (BQL) in groundwater samples from MW-1 for all other sampling events.

MW-2: VOCs were detected above the NCDENR groundwater quality standard in groundwater samples collected from monitoring well MW-2 during the March 27, 1998 and May 15, 1998 sampling events. The detected benzene concentration of 23 µg/L in the May 15, 1998 sample was above the NCDENR groundwater quality standard of 1 µg/L. Detections of ethylbenzene at concentrations of 240 µg/L and 320 µg/L and total xylenes at concentrations of 1,020 µg/L and 1,100 µg/L, were above their respective NCDENR groundwater quality standard of 29 µg/L and 530 µg/L, during both sampling events of March 27, 1998 and May 15, 1998, respectively. Since the May 15, 1998

sampling event, all COCs have been below the site rehabilitation concentrations for the site as well as BQL in groundwater samples from MW-2.

MW-7: Lead exceeded the NCDENR groundwater quality standard of 15 µg/L and was detected at 67.3 µg/L in groundwater samples collected from MW-7 on October 9, 2007. All chemicals of concern (COCs) have been below the site rehabilitation concentrations for the site as well as below laboratory quantitation limits (BQL) in groundwater samples from MW-7 for all other sampling events.

MW-9: VOCs including benzene and ethylbenzene were detected above the NCDENR groundwater quality standard of 1 µg/L and 29 µg/L, respectively, during the sampling events conducted from March 1998 through January 2003. Benzene was recorded at a maximum concentration of 180 µg/L during the April 17, 2001 sampling event while ethylbenzene concentrations were recorded at a maximum concentration of 86 µg/L during the February 16, 1999 sampling event. Except for two other sampling events; May 1999 and January 2003 when ethylbenzene was detected at concentrations of 61 µg/L and 43 µg/L, the compound has been below the regulatory limit.

Benzene was detected above the NCDENR groundwater quality standard of 1 µg/L at a maximum concentration of 20.3 µg/L during the sampling events conducted from April 2004 through March 2008. Since the AS/SVE system was shut down in January 2006, benzene has been detected above the NCDENR groundwater quality standard ranging from a concentration of 8.0 µg/L to 16.4 µg/L.

The following PAHs have been detected above their respective NCDENR groundwater quality standard limits in groundwater samples collected from monitoring well MW-9.

- Naphthalene was detected at concentrations of 860 µg/L and 1,500 µg/L in two sampling events on October 23, 2002 and January 14, 2003.
- The maximum phenanthrene concentration detected in MW-9 was 11,000 µg/L during the February 16, 1999 sample event. The NCDENR groundwater quality standard for phenanthrene is 210 µg/L. Although the earlier sampling events detected phenanthrene concentrations in MW-9 (850 µg/L and 1,300 µg/L) exceeding regulatory standards, phenanthrene was BQL in latter sampling events conducted by EEI (April 2004 through August 2005).
- Anthracene was detected at a concentration of 11,000 µg/L during the February 16, 1999 sampling event. This is above the NCDENR groundwater quality standard of 2,100 µg/L. Since that time anthracene has not exceeded the groundwater quality standard.
- 1-methylnaphthalene was detected at a maximum concentration of 17,000 µg/L during the February 16, 1999 sampling event. This is above the NCDENR groundwater quality standard. The compound was BQL in latter sampling events conducted by EEI (April 2004 through August 2005).
- 2-methylnaphthalene was detected at a maximum concentration of 90,000 µg/L above the NCDENR groundwater quality standard of 28 µg/L during the February

16, 1999 sampling event. The compound was BQL in latter sampling events conducted by EEI (April 2004 through August 2005).

Free phase product was identified in monitoring well MW-9 from June 1998 through December 1998 at a thickness ranging from 0.02 feet to 0.38 feet. Product was not observed in the monitoring well again until January 15, 2002 when 2.9 feet of free phase product was measured in the well. Free phase product was consistently observed in the monitoring well at a thickness ranging from 0.15 feet to 2.5 feet from February 2002 through January 2003. Free phase product was detected in monitoring well MW-9 at the following thicknesses during 2004-2005: 0.01 ft in May 2004, 0.10 ft in July 2004, and 0.02 ft in January 2005. Free phase product was detected in monitoring well MW-9 at the following thicknesses during 2007-2008: 0.01 ft in January 2008 and 0.01 ft in March 2008.

MW-10: Benzene was detected at a concentration of 230 µg/L in the groundwater sample collected during the March 27, 1998 sampling event. Benzene has not exceeded the groundwater quality standard of 1 µg/L since that time.

During the initial sampling event on March 27, 1998 the PAH constituents naphthalene (26 µg/L) and 1-methylnaphthalene (12 µg/L) exceeded their respective groundwater quality standard. Since then, all PAH constituents have consistently been BQL.

MW-11: Benzene consistently exceeded the NCDENR groundwater quality standard of 1 µg/L at monitoring well MW-11, being detected at a maximum concentration of 250 µg/L (March 1998) with the exception of four sample events. Since the AS/SVE system was shut down in January 2006, benzene has been detected above the NCDENR groundwater quality standard from March 2007 to March 2008 ranging from a concentration of 2.9 µg/L to 8.3 µg/L.

MW-13: VOCs including benzene, ethylbenzene, toluene, and total xylenes were detected above the NCDENR groundwater quality standards.

- Benzene was detected at a maximum concentration of 1,700 µg/L during the March 27, 1998 sampling event. This is above the NCDENR groundwater quality standard of 1 µg/L. During the past year from March 2007 to March 2008, benzene was detected above the NCDENR groundwater quality standard at a concentration ranging from 1.8 µg/L to 88.3 µg/L.
- Ethylbenzene was detected at a maximum concentration of 550 µg/L during the October 18, 2000 sampling event. This is above the NCDENR groundwater quality standard of 29 µg/L. Ethylbenzene concentrations have not exceeded the groundwater quality standard since the January 2001 sampling event.
- Toluene was detected at a concentration of 1,300 µg/L above the NCDENR groundwater quality standard of 1,000 µg/L during only one sampling event (June 24, 1998).

- Total xylenes exceeded the groundwater quality standard in three sampling events (March 27, 1998, 580 µg/L; June 24, 1998, 2,020 µg/L; and October 18, 2000, 1,280 µg/L). The groundwater quality standard for total xylenes is 530 µg/L. Total xylenes concentrations have not exceeded groundwater quality standards since the October 2000 sampling event.

The PAHs naphthalene, 1-methylnaphthalene and 2-methylnaphthalene were also detected above the groundwater quality standard in groundwater samples from this monitoring well.

- Naphthalene concentrations exceeded the groundwater quality standard of 21 µg/L during the March 27, 1998 (47 µg/L), June 24, 1998 (64 µg/L), April 19, 1999 (36 µg/L), and October 18, 2000 (90 µg/L) sampling events. Naphthalene concentrations have not exceeded groundwater quality standards since the October 2000 sampling event.
- 1-methylnaphthalene concentrations exceeded the groundwater quality standard of the laboratory quantitation limit during the April 19, 1999 (22 µg/L) and October 18, 2000 (14 µg/L) sampling events. 1-methylnaphthalene concentrations have not exceeded groundwater quality standards since the October 2000 sampling event.
- Only one sample collected on April 19, 1999 detected 2-methylnaphthalene (32 µg/L) at a concentration above the groundwater quality standard of 28 µg/L.

MW-14: Lead exceeded the NCDENR groundwater quality standard of 15 µg/L and was detected at a concentration ranging from 17.6 µg/L to 50.0 µg/L from June 2007 to January 2008. All other chemicals of concern (COCs) have been below the site rehabilitation concentrations for the site as well as below laboratory quantitation limits (BQL) in groundwater samples from MW-14 for all other sampling events.

Appendix C presents a historical summary of detected contaminant concentrations in the groundwater samples collected from the on-site groundwater monitoring wells from March 1998 through March 2008.

SECTION 4.0

CONCLUSIONS AND RECOMMENDATIONS

Shaw conducted well gauging quarterly from June 2007 to March 2008 from 11 to 16 groundwater monitoring wells to check for the presence of free phase product. Free phase product was detected in monitoring well MW-9 at the following thicknesses during 2007-2008: 0.01 ft in January 2008 and 0.01 ft in March 2008. The reappearance of free phase product was probably due to the 0.5 to 1.0 feet lower water table in 2007-2008 from 2006-2007 which may have released small pockets of product trapped under the previously higher water table.

During the four quarterly groundwater sampling events from June 2007 to March 2008, all of the monitoring well concentrations were below the 15A NCAC 2L groundwater quality standards with the exception of benzene in monitoring wells USTAS4158-MW09, USTAS4158-MW11, and USTAS4158-MW13. In addition, lead was above the 15A NCAC 2L groundwater quality standards in monitoring wells USTAS4158-MW01, USTAS4158-MW07, and USTAS4158-MW14.

Post-operation monitoring was initiated from January 2006 to March 2008 with the AS/SVE system shut down. The last two quarterly sampling events conducted in January and March 2008 indicated a rebound in free phase product. However, benzene concentrations in monitoring wells USTAS4158-MW09, USTAS4158-MW11, and USTAS4158-MW13 have decreased and only ranged from 1.8 μg/L to 16.4 μg/L during the 2007-2008 quarterly sampling events.

Shaw recommends that the adjacent fuel line be tightness tested annually to confirm that there are no further leaks in the fuel system.

Shaw recommends excavating the area between monitoring well USTAS4158-MW09 and the fuel supply lines down to the water table to locate and remove small pockets of free product that may be trapped in the hydrocarbon affected soil since only a very small amount free phase product (0.01 ft) is currently present. The contaminated soil would be segregated from the clean overburden by screening with an FID and dispose of up to 100 tons of contaminated soil.

Shaw also recommends annual gauging and sampling and analysis of 10 site monitoring wells (USTAS4158-MW01, USTAS4158-MW07, USTAS4158-MW08, USTAS4158-MW09, USTAS4158-MW10, USTAS4158-MW11, USTAS4158-MW13, USTAS4158-MW14, USTAS4158-MW15, and USTAS4158-MW17) to monitor the area in and around the current dissolved groundwater plume since the dissolved plume concentrations have continued to decrease over time. EPA Method 601 would be removed from the analytical list since Purgeable Halocarbons have not been detected

historically at the site. Samples should be analyzed for VOCs using EPA Method 602 targeting BTEX; PAHs using EPA Method 625, and lead using EPA Method 6010B.

TABLES

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		3/26/2008			1/8/2008			10/9/2007			6/27/2007		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		8.64	11.90		10.03	10.51		8.41	12.13		7.43	13.11
MW-2	21.31		dry			dry			dry			dry	
MW-3	20.87		Not Measured			10.62	10.25		Not Measured			7.58	13.29
MW-4	21.55		Not Measured			11.17	10.38		Not Measured			9.12	12.43
MW-5	21.87		Not Measured			11.09	10.78		Not Measured			8.52	13.35
MW-6	22.04		Not Measured			11.30	10.74		Not Measured			9.64	12.40
MW-7	21.37		10.11	11.26		11.43	9.94		9.69	11.68		9.07	12.30
MW-8	22.18		10.46	11.72		11.82	10.36		10.75	11.43		10.02	12.16
MW-9 (Prod. Recovery Well)	22.02	9.94	9.95	12.07	11.66	11.67	10.35		9.98	12.04		9.47	12.55
MW-10	22.43		10.96	11.47		12.34	10.09		9.48	12.95		10.78	11.65
MW-11	23.10		11.59	11.51		12.71	10.39		11.78	11.32		11.12	11.98
MW-12	22.03		covered			covered			covered			covered	
MW-13	23.23		12.07	11.16		12.92	10.31		12.11	11.12		11.43	11.80
MW-14	22.53		10.78	11.75		10.96	11.57		9.61	12.92		9.80	12.73
MW-15	23.25		11.97	11.28		12.73	10.52		11.31	11.94		10.81	12.44
MW-16	21.34		Not Measured			11.50	9.84		8.12	13.22		9.81	11.53
MW-17	22.67		11.14	11.53		12.41	10.26		11.97	10.70		10.74	11.93
MW-18	23.15		Not Measured			13.02	10.13		Not Measured			11.92	11.23
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured. The product-water interface probe was being repaired.

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		3/8/2007			1/11/2007			12/15/2006			11/15/2006		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		6.70	13.84		Not Measured			Not Measured			Not Measured	
MW-2	21.31		dry			Not Measured			Not Measured			Not Measured	
MW-3	20.87		6.50	14.37		Not Measured			Not Measured			Not Measured	
MW-4	21.55		7.47	14.08		6.85	14.70		8.27	13.28		8.70	12.85
MW-5	21.87		7.42	14.45		6.67	15.20		8.20	13.67		8.79	13.08
MW-6	22.04		7.48	14.56		6.29	15.75		8.45	13.59		8.86	13.18
MW-7	21.37		8.10	13.27		8.41	12.96		8.60	12.77		9.23	12.14
MW-8	22.18		8.17	14.01		Not Measured			Not Measured			Not Measured	
MW-9 (Prod. Recovery Well)	22.02		8.53	13.49		8.72	13.30		9.89	12.13		9.51	12.51
MW-10	22.43		9.48	12.95		8.96	13.47		9.40	13.03		10.51	11.92
MW-11	23.10		10.00	13.10		9.83	13.27		9.72	13.38		10.90	12.20
MW-12	22.03		covered			Not Measured			Not Measured			Not Measured	
MW-13	23.23		10.40	12.83		10.27	12.96		10.74	12.49		11.25	11.98
MW-14	22.53		9.21	13.32		9.38	13.15		9.56	12.97		9.74	12.79
MW-15	23.25		9.68	13.57		Not Measured			Not Measured			Not Measured	
MW-16	21.34		8.12	13.22		7.69	13.65		8.63	12.71		9.51	11.83
MW-17	22.67		9.40	13.27		Not Measured			Not Measured			Not Measured	
MW-18	23.15		10.49	12.66		Not Measured			Not Measured			Not Measured	
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		10/25/2006			9/27/2006			8/7/2006			7/19/2006		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			Not Measured			Not Measured			Not Measured	
MW-2	21.31		Not Measured			Not Measured			Not Measured			Not Measured	
MW-3	20.87		Not Measured			Not Measured			Not Measured			Not Measured	
MW-4	21.55		8.80	12.75		8.25	13.30		8.49	13.06		8.77	12.78
MW-5	21.87		8.36	13.51		8.42	13.45		8.65	13.22		9.04	12.83
MW-6	22.04		9.12	12.92		8.55	13.49		8.61	13.43		9.08	12.96
MW-7	21.37		8.69	12.68		8.28	13.09		8.62	12.75		9.27	12.10
MW-8	22.18		Not Measured			Not Measured			Not Measured			Not Measured	
MW-9 (Prod. Recovery Well)	22.02		9.36	12.66		9.91	12.11		10.39	11.63		9.38	12.64
MW-10	22.43		10.56	11.87		9.89	12.54		9.96	12.47		10.02	12.41
MW-11	23.10		10.87	12.23		10.37	12.73		10.72	12.38		10.83	12.27
MW-12	22.03		Not Measured			Not Measured			Not Measured			Not Measured	
MW-13	23.23		11.24	11.99		10.75	12.48		11.10	12.13		11.32	11.91
MW-14	22.53		9.61	12.92		9.35	13.18		9.62	12.91		9.36	13.17
MW-15	23.25		Not Measured			Not Measured			Not Measured			Not Measured	
MW-16	21.34		9.55	11.79		9.02	12.32		9.49	11.85		9.64	11.70
MW-17	22.67		Not Measured			Not Measured			Not Measured			Not Measured	
MW-18	23.15		Not Measured			Not Measured			Not Measured			Not Measured	
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		6/12/2006			5/9/2006			4/10/2006		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			Not Measured			Not Measured	
MW-2	21.31		Not Measured			Not Measured			Not Measured	
MW-3	20.87		Not Measured			Not Measured			Not Measured	
MW-4	21.55		7.06	14.49		7.94	13.61		8.25	13.30
MW-5	21.87		8.76	13.11		8.23	13.64		8.38	13.49
MW-6	22.04		7.94	14.10		7.94	14.10		8.74	13.30
MW-7	21.37		9.32	12.05		8.95	12.42		8.15	13.22
MW-8	22.18		Not Measured			Not Measured			Not Measured	
MW-9 (Prod. Recovery Well)	22.02		9.45	12.57		9.26	12.76		9.27	12.75
MW-10	22.43		10.72	11.71		10.41	12.02		10.47	11.96
MW-11	23.10		11.05	12.05		10.77	12.33		10.87	12.23
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	23.23		11.38	11.85		11.10	12.13		11.19	12.04
MW-14	22.53		9.81	12.72		9.69	12.84		9.70	12.83
MW-15	23.25		Not Measured			Not Measured			Not Measured	
MW-16	21.34		9.64	11.70		9.18	12.16		9.26	12.08
MW-17	22.67		Not Measured			Not Measured			Not Measured	
MW-18	23.15		Not Measured			Not Measured			Not Measured	
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		3/21/2006			1/13/2006			8/15/2005			7/26/2005		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			Not Measured			13.76	6.78		14.34	6.20
MW-2	21.31		Not Measured			Not Measured			Not Measured			Not Measured	
MW-3	20.87		Not Measured			Not Measured			9.81	11.06		10.77	10.10
MW-4	21.55		8.32	13.23		8.20	13.35		14.29	7.26		14.71	6.84
MW-5	21.87		8.53	13.34		8.29	13.58		13.49	8.38		13.93	7.94
MW-6	22.04		8.77	13.27		8.35	13.69		6.62	15.42		8.10	13.94
MW-7	21.37		8.75	12.62		8.92	12.45		14.29	7.08		13.63	7.74
MW-8	22.18		Not Measured			Not Measured			7.13	15.05		7.27	14.91
MW-9 (Prod. Recovery Well)	22.02		8.94	13.08		9.08	12.94		13.54	8.48		14.07	7.95
MW-10	22.43		9.63	12.80		11.19	11.24		5.87	16.56		5.19	17.24
MW-11	23.10		10.40	12.70		10.74	12.36		12.91	10.19		13.13	9.97
MW-12	22.03		Not Measured			Not Measured			Not Measured			Not Measured	
MW-13	23.23		10.67	12.56		11.51	11.72		12.94	10.29		12.72	10.51
MW-14	22.53		9.46	13.07		9.94	12.59		6.59	15.94		6.00	16.53
MW-15	23.25		Not Measured			Not Measured			14.40	8.85		13.89	9.36
MW-16	21.34		8.77	12.57		8.87	12.47		12.67	8.67		13.23	8.11
MW-17	22.67		Not Measured			Not Measured			12.43	10.24		12.74	9.93
MW-18	23.15		Not Measured			Not Measured			12.28	10.87		12.92	10.23
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
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* Indicates that the depth to hydrocarbon product could not be measure

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		6/8/2005			5/3/2005			4/4/2005			3/1/2005		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		13.86	6.68		13.44	7.10		Not Measured			Not Measured	
MW-2	21.31		Not Measured			Not Measured			Not Measured			Not Measured	
MW-3	20.87		10.05	10.82		9.63	11.24		Not Measured			Not Measured	
MW-4	21.55		13.96	7.59		13.57	7.98		16.47	5.08		15.37	6.18
MW-5	21.87		13.52	8.35		13.28	8.59		15.24	6.63		13.50	8.37
MW-6	22.04		6.96	15.08		Not Measured			9.06	12.98		7.28	14.76
MW-7	21.37		13.13	8.24		13.06	8.31		17.17	4.20		12.87	8.50
MW-8	22.18		6.83	15.35		6.55	15.63		7.82	14.36		7.01	15.17
MW-9 (Prod. Recovery Well)	22.02		13.91	8.11		13.92	8.10		15.70	6.32		14.17	7.85
MW-10	22.43		4.39	18.04		7.03	15.40		Not Measured			7.21	15.22
MW-11	23.10		12.72	10.38		12.72	10.38		14.94	8.16		12.52	10.58
MW-12	22.03		Not Measured			Not Measured			Not Measured			Not Measured	
MW-13	23.23		12.28	10.95		12.69	10.54		15.67	7.56		12.64	10.59
MW-14	22.53		6.01	16.52		6.11	16.42		Not Measured			6.60	15.93
MW-15	23.25		13.97	9.28		13.74	9.51		14.40	8.85		11.17	12.08
MW-16	21.34		12.93	8.41		12.60	8.74		13.41	7.93		12.26	9.08
MW-17	22.67		12.57	10.10		12.32	10.35		13.64	9.03		12.10	10.57
MW-18	23.15		12.43	10.72		12.25	10.90		13.35	9.80		12.06	11.09
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
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Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		2/4/2005			1/4/2005			12/9/2004			11/4/2004		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		13.02	7.52		12.94	7.60		13.06	7.48		13.62	6.92
MW-2	21.31		Not Measured			Not Measured			Not Measured			Not Measured	
MW-3	20.87		Not Measured			Not Measured			Not Measured			Not Measured	
MW-4	21.55		13.47	8.08		13.29	8.26		13.61	7.94		13.94	7.61
MW-5	21.87		13.00	8.87		12.90	8.97		13.15	8.72		13.70	8.17
MW-6	22.04		6.08	15.96		6.03	16.01		6.17	15.87		6.67	15.37
MW-7	21.37		12.10	9.27		12.71	8.66		13.16	8.21		13.52	7.85
MW-8	22.18		6.87	15.31		6.06	16.12		6.37	15.81		7.11	15.07
MW-9 (Prod. Recovery Well)	22.02		12.43	9.59	13.81	13.83	8.19		13.84	8.18		14.58	7.44
MW-10	22.43		4.71	17.72		4.80	17.63		5.03	17.40		5.64	16.79
MW-11	23.10		12.59	10.51		12.56	10.54		12.83	10.27		13.46	9.64
MW-12	22.03		Not Measured			Not Measured			Not Measured			Not Measured	
MW-13	23.23		13.43	9.80		12.56	10.67		12.84	10.39		13.43	9.80
MW-14	22.53		6.19	16.34		5.85	16.68		6.24	16.29		6.46	16.07
MW-15	23.25		13.27	9.98		13.16	10.09		13.43	9.82		14.11	9.14
MW-16	21.34		13.72	7.62		12.34	9.00		Not Measured			13.29	8.05
MW-17	22.67		12.53	10.14		12.07	10.60		12.40	10.27		12.85	9.82
MW-18	23.15		13.43	9.72		12.05	11.10		2.18	20.97		12.67	10.48
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:

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Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		10/1/2004			9/12/2004			8/12/2004			7/12/2004		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		17.39	3.15		15.81	4.73		13.79	6.75		Not Measured	
MW-2	21.31		10.53	10.78		9.91	11.40		Not Measured			Not Measured	
MW-3	20.87		Not Measured			Not Measured			10.08	10.79		Not Measured	
MW-4	21.55		14.85	6.70		15.99	5.56		13.96	7.59		13.87	7.68
MW-5	21.87		14.69	7.18		15.28	6.59		13.58	8.29		13.25	8.62
MW-6	22.04		8.16	13.88		Not Measured			7.34	14.70		7.32	14.72
MW-7	21.37		14.67	6.70		14.79	6.58		13.21	8.16		12.89	8.48
MW-8	22.18		8.46	13.72		9.08	13.10		7.19	14.99		6.42	15.76
MW-9 (Prod. Recovery Well)	22.02		14.77	7.25		13.32	8.70		13.97	8.05	13.94	14.04	7.98
MW-10	22.43		6.78	15.65		7.75	14.68		6.28	16.15		5.65	16.78
MW-11	23.10		19.01	4.09		15.54	7.56		14.22	8.88		13.03	10.07
MW-12	22.03		Not Measured			Not Measured			Not Measured			Not Measured	
MW-13	23.23		13.90	9.33		14.25	8.98		13.17	10.06		13.01	10.22
MW-14	22.53		6.72	15.81		7.00	15.53		6.13	16.40		6.14	16.39
MW-15	23.25		14.50	8.75		14.49	8.76		13.74	9.51		13.70	9.55
MW-16	21.34		13.81	7.53		14.76	6.58		13.04	8.30		12.81	8.53
MW-17	22.67		13.92	8.75		14.31	8.36		12.73	9.94		12.62	10.05
MW-18	23.15		13.52	9.63		14.05	9.10		12.68	10.47		13.38	9.77
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:

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[2] System not operational during water level survey
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Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		6/9/2004			5/6/2004			4/13/2004			1/14/2003		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			Not Measured			Not Measured			Not Measured	
MW-2	21.31		Not Measured			8.69	12.62		Not Measured			Not Measured	
MW-3	20.87		Not Measured			Not Measured			Not Measured			9.69	11.18
MW-4	21.55		14.14	7.41		Not Measured			15.24	6.31		9.96	11.59
MW-5	21.87		13.67	8.20		Not Measured			14.50	7.37		10.00	11.87
MW-6	22.04		6.83	15.21		9.58	12.46		8.92	13.12		10.10	11.94
MW-7	21.37		13.31	8.06		14.34	7.03		13.89	7.48		10.49	10.88
MW-8	22.18		7.14	15.04		8.07	14.11		7.40	14.78		10.97	11.21
MW-9 (Prod. Recovery Well)	22.02		14.44	7.58	14.65	14.66	7.36		14.52	7.50	10.46	12.83	9.19
MW-10	22.43		6.17	16.26		6.60	15.83		6.18	16.25		11.63	10.80
MW-11	23.10		13.41	9.69		14.03	9.07		13.03	10.07		11.92	11.18
MW-12	22.03		Not Measured			Not Measured			Not Measured			Not Measured	
MW-13	23.23		13.34	9.89		13.95	9.28		13.63	9.60		12.38	10.85
MW-14	22.53		6.55	15.98		6.52	16.01		6.43	16.10		10.65	11.88
MW-15	23.25		13.29	9.96		14.81	8.44		15.56	7.69		11.94	11.31
MW-16	21.34		13.27	8.07		14.51	6.83		13.84	7.50		10.73	10.61
MW-17	22.67		12.84	9.83		14.07	8.60		13.36	9.31		11.60	11.07
MW-18	23.15		12.60	10.55		13.85	9.30		13.24	9.91		12.41	10.74
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:

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Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	11/20/2002			10/22/2002			9/11/2002			8/20/2002		
		Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			5.55			Not Measured			Not Measured	
MW-2	21.31		Not Measured			6.18	15.13		Dry			Dry	
MW-3	20.87		7.24	13.63		9.90	10.97		8.57	12.30		9.70	11.17
MW-4	21.55		10.50	11.05		10.29	11.26		9.63	11.92		10.35	11.20
MW-5	21.87		10.72	11.15		10.39	11.48		9.20	12.67		10.28	11.59
MW-6	22.04		9.66	12.38		10.59	11.45		9.65	12.39		10.80	11.24
MW-7	21.37		11.77	9.60		10.65	10.72		9.28	12.09		10.41	10.96
MW-8	22.18		11.31	10.87		11.09	11.09		10.38	11.80		11.20	10.98
MW-9 (Prod. Recovery Well)	22.02	11.36	12.57	9.45	11.67	12.70	9.32	9.77	9.92	12.10	11.77	12.85	9.17
MW-10	22.43		14.14	8.29		12.00	10.43		9.99	12.44		10.90	11.53
MW-11	23.10		12.75	10.35		12.20	10.90		11.06	12.04		11.96	11.14
MW-12	22.03		Not Measured			Not Measured			Not Measured			Not Measured	
MW-13	23.23		14.35	8.88		12.59	10.64		10.99	12.24		10.85	12.38
MW-14	22.53		10.80	11.73		10.68	11.85		10.44	12.09		10.12	12.41
MW-15	23.25		11.74	11.51		11.76	11.49		11.14	12.11		10.61	12.64
MW-16	21.34		11.87	9.47		10.99	10.35		9.95	11.39		11.20	10.14
MW-17	22.67		12.38	10.29		11.80	10.87		10.88	11.79		1.65	21.02
MW-18	23.15		13.32	9.83		12.61	10.54		11.75	11.40		12.70	10.45
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
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Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	7/15/2002			5/13/2002			4/15/2002		
		Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			9.46			Not Measured	
MW-2	21.31		Dry			Dry			Dry	
MW-3	20.87		7.70	13.17		9.90	10.97		9.86	11.01
MW-4	21.55		11.03	10.52		10.54	11.01		10.37	11.18
MW-5	21.87		10.28	11.59		10.40	11.47		10.23	11.64
MW-6	22.04		11.16	10.88		10.68	11.36		10.57	11.47
MW-7	21.37		11.01	10.36		10.60	10.77		10.60	10.77
MW-8	22.18		11.60	10.58		11.22	10.96		11.11	11.07
MW-9 (Prod. Recovery Well)	22.02	11.77	12.46		*	12.20		10.88	11.68	10.34
MW-10	22.43		12.25			11.74			11.83	10.60
MW-11	23.10		12.80	10.30		12.15	10.95		12.12	10.98
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	23.23		13.01			12.41			12.45	10.78
MW-14	22.53		10.97	11.56		10.75	11.78		10.70	11.83
MW-15	23.25		12.60	10.65		12.01	11.24		11.86	11.39
MW-16	21.34		11.83	9.51		10.92	10.42		10.81	10.53
MW-17	22.67		12.23	10.44		11.81	10.86		11.72	10.95
MW-18	23.15		12.96	10.19		12.60	10.55		12.50	10.65
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		3/19/2002			2/12/2002			1/15/2002		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			Not Measured			Not Measured	
MW-2	21.31		Dry			Dry			Dry	
MW-3	20.87		6.92	13.95		9.30	11.57		7.95	12.92
MW-4	21.55		10.21	11.34		9.82	11.73		10.96	10.59
MW-5	21.87		9.83	12.04		10.84	11.03		10.88	10.99
MW-6	22.04		10.01	12.03		9.82	12.22		11.16	10.88
MW-7	21.37		10.43	10.94		10.93	10.44		11.80	9.57
MW-8	22.18		11.05	11.13		11.60	10.58		12.40	9.78
MW-9 (Prod. Recovery Well)	22.02	11.59	13.12	8.90	11.49	13.99	8.03	12.28	15.18	6.84
MW-10	22.43		11.69			11.40	11.03		Not Measured	
MW-11	23.10		12.12	10.98		13.44	9.66		13.69	9.41
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	23.23		12.45	10.78		Dry			15.45	7.78
MW-14	22.53		10.71	11.82		11.01	11.52		10.70	11.83
MW-15	23.25		11.78	11.47		13.49	9.76		14.20	9.05
MW-16	21.34		10.76	10.58		12.10	9.24		11.63	9.71
MW-17	22.67		11.58	11.09		12.67	10.00		12.50	10.17
MW-18	23.15		12.34	10.81		13.15	10.00		13.64	9.51
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	12/17/2001			11/5/2001			10/15/2001		
		Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		8.53			9.38			9.17	
MW-2	21.31		Dry			Dry			Dry	
MW-3	20.87		9.50	11.37		9.78	11.09		9.48	11.39
MW-4	21.55		9.58	11.97		10.11	11.44		9.79	11.76
MW-5	21.87		9.90	11.97		10.29	11.58		9.98	11.89
MW-6	22.04		9.95	12.09		10.32	11.72		10.07	11.97
MW-7	21.37		9.48	11.89		10.88	10.49		Not Measured	
MW-8	22.18		11.03	11.15		10.85	11.33		10.28	11.90
MW-9 (Prod. Recovery Well)	22.02		10.10	11.92		10.20	11.82		10.35	11.67
MW-10	22.43		9.90	12.53		Not Measured			11.45	10.98
MW-11	23.10		11.83	11.27		11.83	11.27		11.81	11.29
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	23.23		13.35	9.88		11.88	11.35		12.17	11.06
MW-14	22.53		9.95	12.58		9.48	13.05		10.01	12.52
MW-15	23.25		10.55	12.70		10.15	13.10		10.63	12.62
MW-16	21.34		10.89	10.45		10.89	10.45		10.65	10.69
MW-17	22.67		11.57	11.10		11.78	10.89		11.61	11.06
MW-18	23.15		12.50	10.65		12.69	10.46		12.33	10.82
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		9/24/2001			7/16/2001			5/14/2001		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		9.20			8.50			6.30	
MW-2	21.31		Not Measured			Not Measured			8.30	13.01
MW-3	20.87		9.25	11.62		8.68	12.19		7.80	13.07
MW-4	21.55		9.48	12.07		8.98	12.57		8.90	12.65
MW-5	21.87		9.99	11.88		9.50	12.37		9.10	12.77
MW-6	22.04		9.65	12.39		9.22	12.82		8.98	13.06
MW-7	21.37		Not Measured			10.94	10.43		9.59	11.78
MW-8	22.18		10.82	11.36		10.20	11.98		10.27	11.91
MW-9 (Prod. Recovery Well)	22.02		12.16	9.86		10.63	11.39		10.23	11.79
MW-10	22.43		13.85	8.58		13.18	9.25		12.91	9.52
MW-11	23.10		13.40	9.70		12.76	10.34		12.70	10.40
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	23.23		16.17	7.06		16.33	6.90		15.83	7.40
MW-14	22.53		10.28	12.25		9.87	12.66		9.90	12.63
MW-15	23.25		11.29	11.96		10.35	12.90		10.55	12.70
MW-16	21.34		10.78	10.56		10.46	10.88		10.17	11.17
MW-17	22.67		11.45	11.22		11.57	11.10		11.36	11.31
MW-18	23.15		12.71	10.44		12.41	10.74		12.30	10.85
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		4/17/2001			3/16/2001			2/15/2001		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		7.83			Not Measured			Not Measured	
MW-2	21.31		8.43	12.88		7.06	14.25		7.10	14.21
MW-3	20.87		7.85	13.02		6.54	14.33		6.80	14.07
MW-4	21.55		8.40	13.15		8.18	13.37		8.16	13.39
MW-5	21.87		8.60	13.27		6.75	15.12		7.82	14.05
MW-6	22.04		8.70	13.34		7.80	14.24		8.06	13.98
MW-7	21.37		9.00	12.37		8.82	12.55		7.31	14.06
MW-8	22.18		9.23	12.95		9.31	12.87		9.00	13.18
MW-9 (Prod. Recovery Well)	22.02		9.28	12.74		9.45	12.57		8.74	13.28
MW-10	22.43		9.80	12.63		10.26	12.17		6.31	16.12
MW-11	23.10		10.70	12.40		10.75	12.35		8.80	14.30
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	23.23		11.14	12.09		11.22	12.01		7.86	15.37
MW-14	22.53		9.50	13.03		9.68	12.85		8.77	13.76
MW-15	23.25		10.14	13.11		10.30	12.95		9.65	13.60
MW-16	21.34		9.12	12.22		9.13	12.21		8.91	12.43
MW-17	22.67		10.33	12.34		10.20	12.47		9.77	12.90
MW-18	23.15		11.31	11.84		11.19	11.96		10.62	12.53
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		2/14/2001			2/13/2001			1/4/2001		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			Not Measured			Not Measured	
MW-2	21.31		5.59	15.72		5.72	15.59		Not Measured	
MW-3	20.87		5.46	15.41		6.05	14.82		8.04	12.83
MW-4	21.55		7.79	13.76		7.84	13.71		8.70	12.85
MW-5	21.87		6.86	15.01		6.30	15.57		8.71	13.16
MW-6	22.04		7.81	14.23		8.50	13.54		8.98	13.06
MW-7	21.37		6.65	14.72		4.85	16.52		9.20	12.17
MW-8	22.18		8.54	13.64		8.81	13.37		9.30	12.88
MW-9 (Prod. Recovery Well)	22.02		8.35	13.67		7.68	14.34		9.48	12.54
MW-10	22.43		5.45	16.98		3.50	18.93		10.45	11.98
MW-11	23.10		8.10	15.00		9.95	13.15		10.71	12.39
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	23.23		7.65	15.58		7.53	15.70		11.13	12.10
MW-14	22.53		8.79	13.74		8.94	13.59		9.60	12.93
MW-15	23.25		9.65	13.60		9.70	13.55		10.39	12.86
MW-16	21.34		7.78	13.56		4.04	17.30		9.35	11.99
MW-17	22.67		8.79	13.88		5.68	16.99		10.56	12.11
MW-18	23.15		9.62	13.53		7.86	15.29		11.45	11.70
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

			12/14/00[3]			12/14/00[2]			10/18/00[1]	
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			Not Measured			7.56	
MW-2	21.31		7.35	13.96		5.73	15.58		7.99	13.32
MW-3	20.87		7.10	13.77		6.07	14.80		7.51	13.36
MW-4	21.55		8.27	13.28		8.38	13.17		8.10	13.45
MW-5	21.87		8.04	13.83		8.02	13.85		8.25	13.62
MW-6	22.04		8.27	13.77		8.28	13.76		8.72	13.32
MW-7	21.37		8.81	12.56		9.87	11.50		8.68	12.69
MW-8	22.18		9.05	13.13		9.12	13.06		8.34	13.84
MW-9 (Prod. Recovery Well)	22.02		14.18	7.84		9.36	12.66		8.97	13.05
MW-10	22.43		9.82	12.61		9.74	12.69		9.23	13.20
MW-11	23.10		10.72	12.38		10.56	12.54		10.18	12.92
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	23.23		Dry			10.95	12.28		10.62	12.61
MW-14	22.53		9.72	12.81		9.60	12.93		9.02	13.51
MW-15	23.25		10.23	13.02		10.26	12.99		9.41	13.84
MW-16	21.34		9.47	11.87		8.54	12.80		8.87	12.47
MW-17	22.67		10.14	12.53		10.22	12.45		10.08	12.59
MW-18	23.15		11.04	12.11		11.08	12.07		10.96	12.19
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured

Table 1.1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

		7/26/00[1]			4/25/00[1]			1/12/00[1]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1	20.54		Not Measured			Not Measured			7.46	
MW-2	21.31		5.70	15.61		6.97	14.34		Not Measured	
MW-3	20.87		5.12	15.75		7.56	13.31		8.31	12.56
MW-4	21.55		5.75	15.80		8.10	13.45		8.36	13.19
MW-5	21.87		6.75	15.12		8.25	13.62		Not Measured	
MW-6	22.04		7.06	14.98		8.17	13.87		9.29	12.75
MW-7	21.37		8.56	12.81		8.14	13.23		9.28	12.09
MW-8	22.18		9.83	12.35		8.93	13.25		9.63	12.55
MW-9 (Prod. Recovery Well)	22.02		9.55	12.47		9.28	12.74		11.01	11.01
MW-10	22.43		10.27	12.16		9.75	12.68		10.51	11.92
MW-11	23.10		10.89	12.21		10.08	13.02		10.83	12.27
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	23.23		11.42	11.81		10.47	12.76		11.38	11.85
MW-14	22.53		9.50	13.03		9.16	13.37		9.20	13.33
MW-15	23.25		10.10	13.15		9.70	13.55		9.66	13.59
MW-16	21.34		8.93	12.41		8.80	12.54		9.38	11.96
MW-17	22.67		10.23	12.44		9.94	12.73		10.51	12.16
MW-18	23.15		11.10	12.05		10.72	12.43		11.45	11.70
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:

[1] wells (TOC) resurveyed in August 2006
[2] System not operational during water level survey
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured

Table 3.1
Building AS-4158
Groundwater Analytical Results
VOC, SVOC (PAHs Only) and Lead

Date:	4/29/2008		Incident Number and Name:	125709 AS4158 Wells																		
Analytical Method:			601/602																			
Contaminant of Concern			Benzene	Bromodichloromethane	Bromoform	Chlorobenzene	Chloroethane	Chloroform	2-Chloroethyl vinyl ether	Carbon tetrachloride	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	Dibromochloromethane	Dichlorodifluoromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	m-Dichlorobenzene	o-Dichlorobenzene	p-Dichlorobenzene
Sample ID	Date Collected	Sample Depth (ft bgs)																				
USTAS4158-MW01	6/23/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
USTAS4158-MW07	6/23/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
USTAS4158-MW08	6/23/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
USTAS4158-MW09	6/23/2007	N/A	16.4	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	8.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
	3/26/2008	N/A	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
USTAS4158-MW10	6/23/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
USTAS4158-MW11	6/23/2007	N/A	2.9	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	5.5	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	3.6	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2008	N/A	3.6	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
USTAS4158-MW13	6/23/2007	N/A	9.2	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	1.9	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2008	N/A	1.8	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
USTAS4158-MW14	6/23/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
USTAS4158-MW15	6/23/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
USTAS4158-MW17	6/23/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
		GWQS (ug/L)	1	NS	0.19	50	NS	70	NS	NS	70	7	0.38	0.51	0.41	1400	70	0.19	NS	NS	NS
		GCL (ug/L)	5000	NS	190	50000	NS	70000	NS	NS	700000	7000	380	510	410	140000	70000	190	NS	NS	NS

Indicate method detection limit for contaminants when analyzed but not detected (i.e., <1.0)
List any contaminant detected above the method detection limit
Detectable concentration exceeds GWQS
GWQS = Groundwater Quality Standard NC Administrative Code Title 15A Subchapter 2L - Groundwater Classifications and Standards 04/01/05
GCL = Gross Contamination Level
Results must be reported in ug/L
ug/L = micrograms per liter
NA = not applicable
NS = no standard
J Numerical value is an estimate between laboratory reporting limit and laboratory method detection limit

Table 3.1
Building AS-4158
Groundwater Analytical Results
VOC, SVOC (PAHs Only) and Lead

Date:	4/29/2008		Incident Number and Name:	125709 AS4158 Wells																
Analytical Method:			601/602																	
Contaminant of Concern			trans-1,2-Dichloroethyl	trans-1,3-Dichloroprope	Ethylbenzene	Methyl bromide	Methyl chloride	Methylene chloride	Methyl Tert Butyl Ether	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroetha	1,1,2-Trichloroethane	Tetrachloroethlene	Toluene	Trichloroethene	Trichlorofluoroethene	Vinyl chloride	Xylenes (total)
Sample ID	Date Collected	Sample Depth (ft bgs)																		
USTAS4158-MW01	6/23/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.39 J**	<1.0	<2.0	<1.0	<3.0
	1/9/2008	N/A	<1.0	<1.0	**0.23 J**	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.29 J**	<1.0	<2.0	<1.0	<3.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
USTAS4158-MW07	6/23/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
USTAS4158-MW08	6/23/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
USTAS4158-MW09	6/23/2007	N/A	<1.0	<1.0	**0.58 J**	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**4.5**
	10/9/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.37 J**	<1.0	<2.0	<1.0	**4.6**
	1/9/2008	N/A	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
	3/26/2008	N/A	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
USTAS4158-MW10	6/23/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**11.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
USTAS4158-MW11	6/23/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**13.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**20.4**	<1.0	<1.0	<1.0	<1.0	**0.34 J**	<1.0	<2.0	<1.0	<3.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**19.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**13.4**	<1.0	<1.0	<1.0	<1.0	**0.34 J**	<1.0	<2.0	<1.0	<3.0
USTAS4158-MW13	6/23/2007	N/A	<1.0	<1.0	**0.53 J**	<2.0	<2.0	<5.0	**21.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.2 J**
	10/9/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**57.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	1/9/2008	N/A	<1.0	<1.0	**0.37 J**	<2.0	<2.0	<5.0	**84.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**0.80 J**
	3/26/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**98.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
USTAS4158-MW14	6/23/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**0.60 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.47 J**	<1.0	<2.0	<1.0	<3.0
	1/9/2008	N/A	<1.0	<1.0	**0.25 J**	<2.0	<2.0	<5.0	**0.60 J**	<1.0	<1.0	<1.0	<1.0	**0.27 J**	<1.0	<2.0	<1.0	**0.73 J**
	3/26/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
USTAS4158-MW15	6/23/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	10/9/2007	N/A	<1.0	<1.0	**0.23 J**	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.48 J**	<1.0	<2.0	<1.0	<3.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
USTAS4158-MW17	6/23/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**9.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	10/9/2007	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	1/9/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**2.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
	3/26/2008	N/A	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0	**2.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0
		GWQS (ug/L)	100	0.19	550	NS	2.6	4.6	200	200	0.17	NS	0.7	1000	2.8	2100	0.015	530
		GCL (ug/L)	100000	190	84500	NS	2600	4600	200000	200000	170	NS	700	257500	2800	210000	15	87500

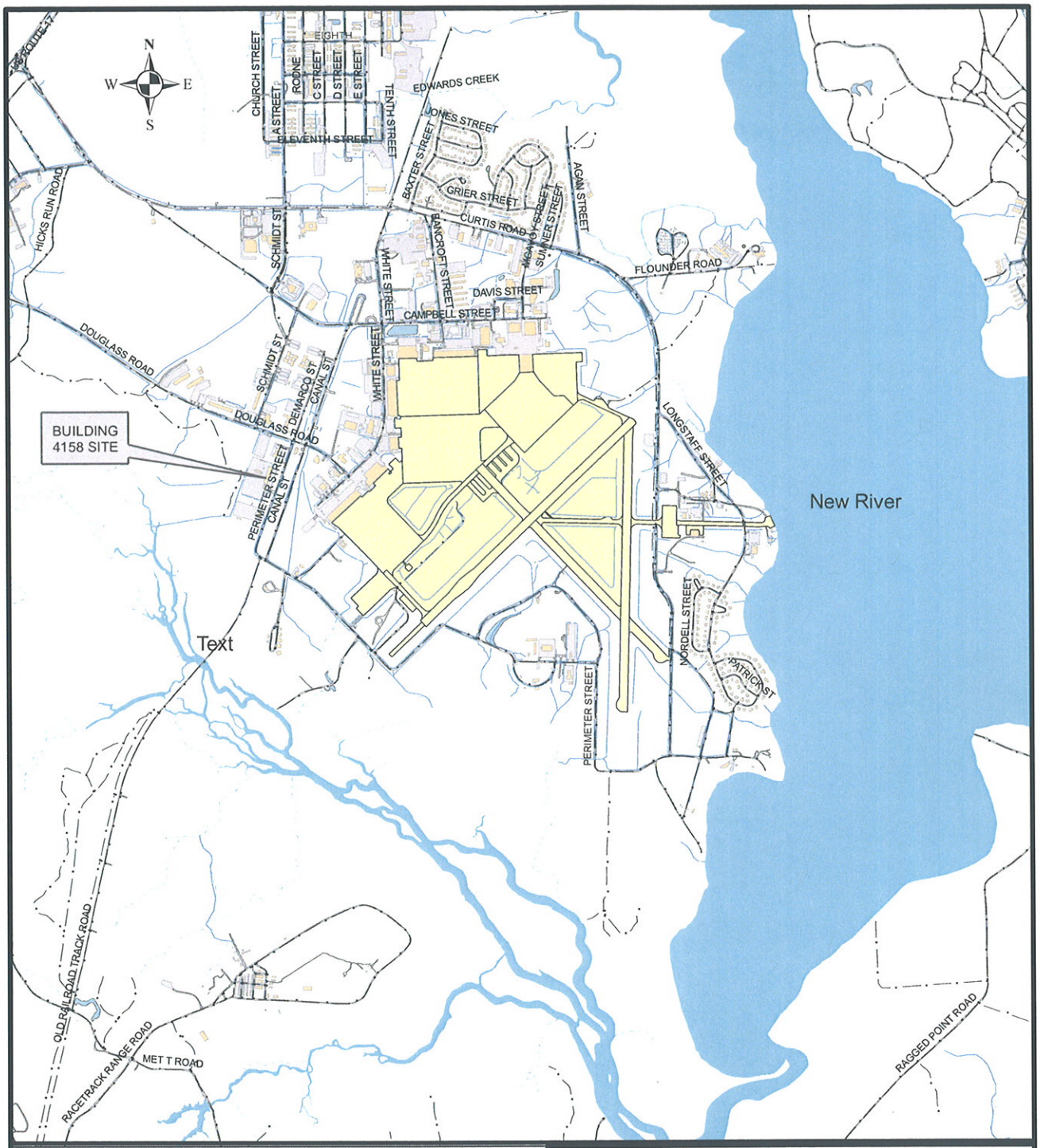
Indicate method detection limit for contaminants when analyzed but not detected (i.e., <1.0)
List any contaminant detected above the method detection limit
Detectable concentration exceeds GWQS
GWQS = Groundwater Quality Standard NC Administrative Code Title 15A Subchapter 2L - Groundwater Classifications and Standards 04/01/05
GCL = Gross Contamination Level
Results must be reported in ug/L
ug/L = micrograms per liter
NA = not applicable
NS = no standard
J Numerical value is an estimate between laboratory reporting limit and laboratory method detection limit

Table 3.1
Building AS-4158
Groundwater Analytical Results
VOC, SVOC (PAHs Only) and Lead

Date:	4/29/2009		Incident Number and Name:	125709 AS4158 Wells																	
Analytical Method:			6010B	625 PAHs																	
Contaminant of Concern			Lead	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Sample ID	Date Collected	Sample Depth (ft bgs)																			
USTAS4158-MW01	6/23/2007	N/A	6.7	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3
	10/9/2007	N/A	9.4	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	1/9/2008	N/A	28	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
	3/26/2008	N/A	6.5	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
USTAS4158-MW07	6/23/2007	N/A	6.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	10/9/2007	N/A	67.3	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	1/9/2008	N/A	11.7	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	3/26/2008	N/A	11.5	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
USTAS4158-MW08	6/23/2007	N/A	6.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10/9/2007	N/A	3.8 B	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	1/9/2008	N/A	2.1 U	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	3/26/2008	N/A	2.1 U	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
USTAS4158-MW09	6/23/2007	N/A	6.8	2.7 J	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	2.4 J	<4.9	5.8 J	<4.9	3.8 J	<4.9	<4.9
	10/9/2007	N/A	<21	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19
	1/9/2008	N/A	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
	3/26/2008	N/A	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
USTAS4158-MW10	6/23/2007	N/A	13.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10/9/2007	N/A	6.6	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	1/9/2008	N/A	2.6 B	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
	3/26/2008	N/A	3.6 B	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
USTAS4158-MW11	6/23/2007	N/A	1.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10/9/2007	N/A	<2.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1/9/2008	N/A	10 U	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	3/26/2008	N/A	2.1 U	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
USTAS4158-MW13	6/23/2007	N/A	5.6	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	1.3 J	<4.8	<4.8
	10/9/2007	N/A	6.7	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	1/9/2008	N/A	2.6 B	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
	3/26/2008	N/A	2.9 B	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
USTAS4158-MW14	6/23/2007	N/A	18.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10/9/2007	N/A	17.6	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	1/9/2008	N/A	50.0	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
	3/26/2008	N/A	5.2	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
USTAS4158-MW15	6/23/2007	N/A	6.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	10/9/2007	N/A	7.0	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	1/9/2008	N/A	5.8	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
	3/26/2008	N/A	5.7	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
USTAS4158-MW17	6/23/2007	N/A	2.9 J	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
	10/9/2007	N/A	<2.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1/9/2008	N/A	2.1 U	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
	3/26/2008	N/A	2.1 U	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
		GWQS (ug/L)		15	80	210	2100	0.0479	0.00479	0.0479	210	0.479	4.79	0.0047	280	280	0.047	NS	14	21	210	210
		GCL (ug/L)		15000	2120	1965	2000000	22	1.5	0.6	210	0.4	0.8	0.25	280	950	31	NS	12500	15500	410	210

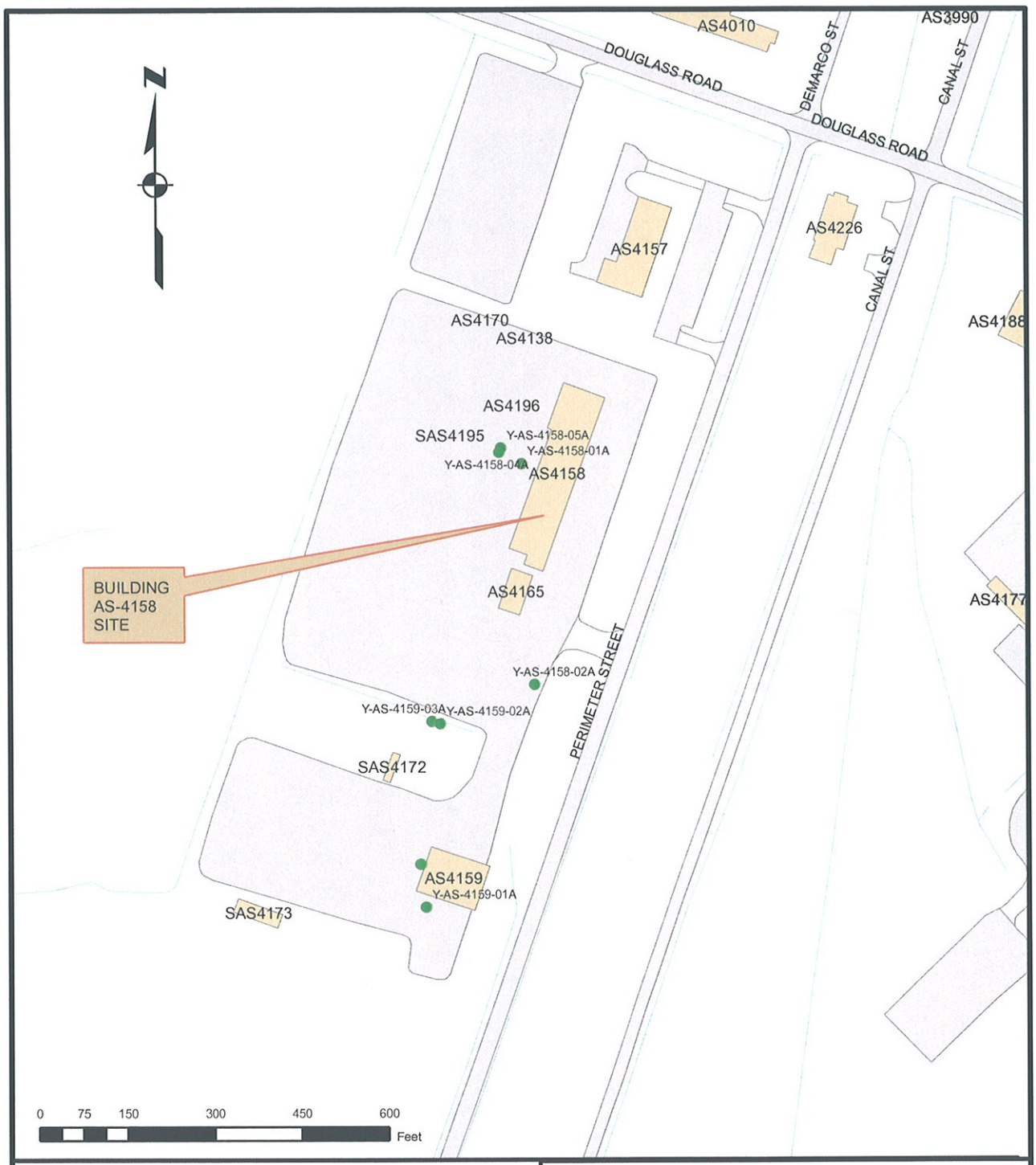
Indicate method detection limit for contaminants when analyzed but not detected (i.e., <1.0)
List any contaminant detected above the method detection limit
Detectable concentration exceeds GWQS
GWQS = Groundwater Quality Standard NC Administrative Code Title 15A Subchapter 2L - Groundwaters Classifications and Standards 04/01/05
GCL = Gross Contamination Level
Results must be reported in ug/L
ug/L = micrograms per liter
NA = not applicable
NS = no standard
J Numerical value is an estimate between laboratory reporting limit and laboratory method detection limit
B Indicates a result > =Instrument detection limit but < reporting limit

FIGURES



Shaw™ Shaw Environmental, Inc.

FIGURE 1.1
SITE VICINITY MAP
BUILDING AS-4158
ANNUAL MONITORING REPORT 2007
NEW RIVER AIR STATION, NC

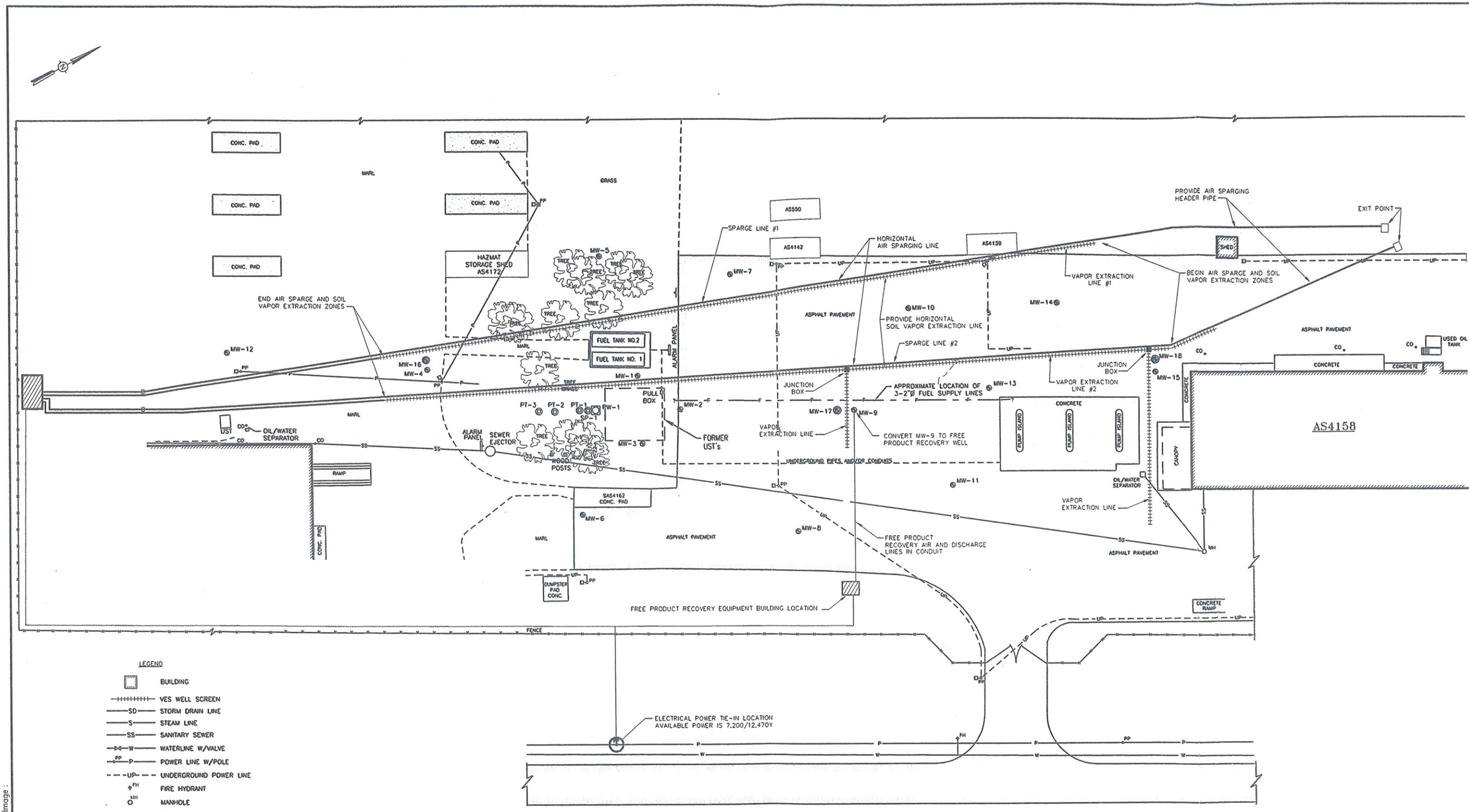


Legend

- storage_tank_point
- buildings_general_area
- vehicle_parking_area
- road_area
- ditch_aqueduct_centerline

Shaw™ Shaw Environmental, Inc.

FIGURE 1.2
SITE LOCATION MAP
BUILDING AS-4158
ANNUAL MONITORING REPORT 2007
NEW RIVER AIR STATION, NC



LEGEND

- BUILDING
- VES WELL SCREEN
- SD — STORM DRAIN LINE
- S — STEAM LINE
- SS — SANITARY SEWER
- W — WATERLINE W/VALVE
- P — POWER LINE W/POLE
- UP — UNDERGROUND POWER LINE
- FH — FIRE HYDRANT
- MH — MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION

SITE PLAN

SURVEY NOTES:

1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(N) NORTH AND 2,463,421.81(N) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4834.21	4788.81	22.75	#20 NAIL
5.	4504.84	4706.91	22.44	#20 NAIL

0 30 60
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

REVISIONS

REV	DATE	BY	CHK'D	APP'VD	DESCRIPTION/ISSUE

PROJECT NO. 845823
CHECKED BY RBK
APPROVED BY

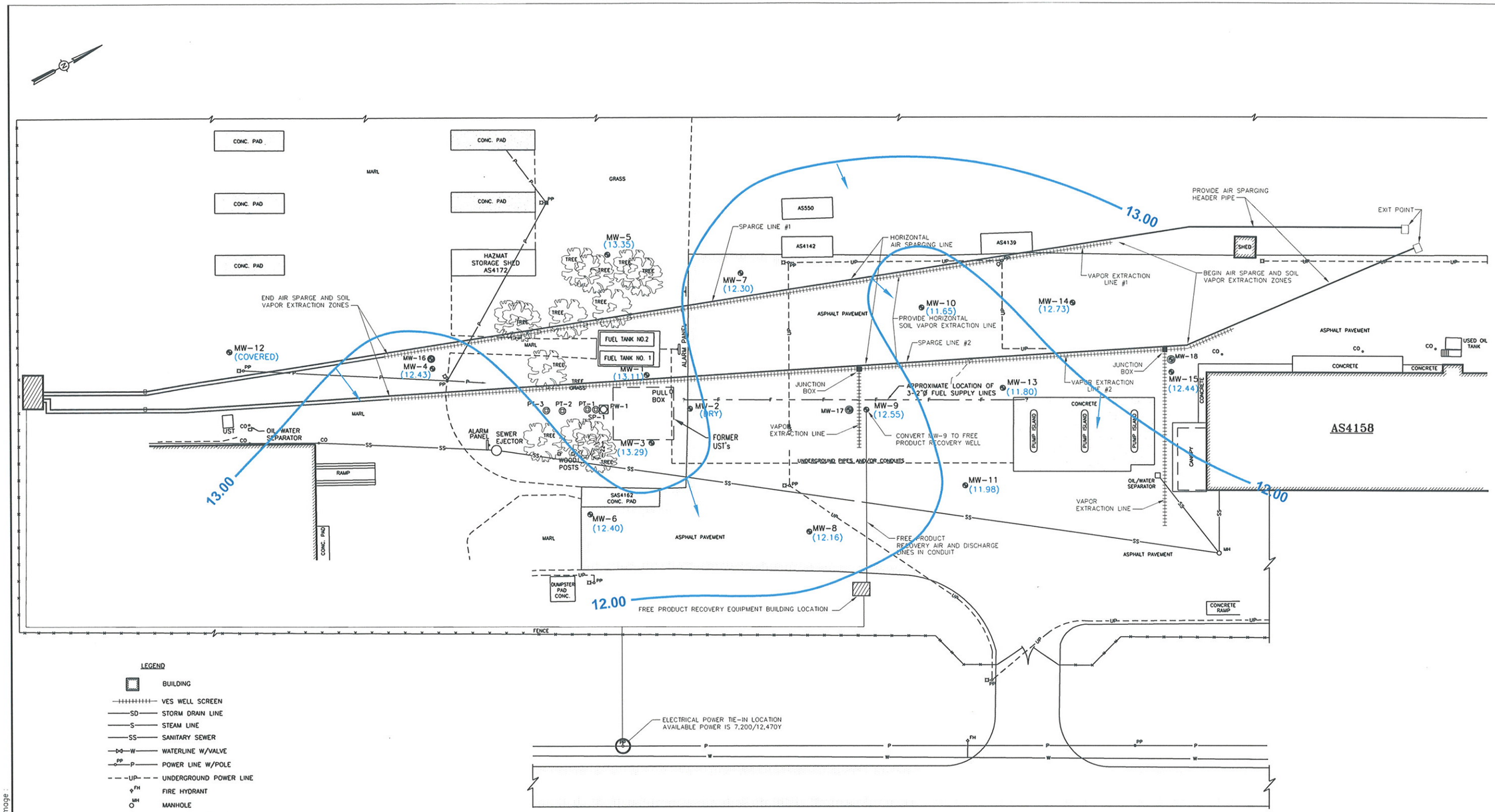
Shaw
Shaw Environmental, Inc.
DESIGNED BY RBK
DRAWN BY JEL

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP LEJEUNE, NORTH CAROLINA

SITE PLAN

SCALE: AS SHOWN
SIZE:
DELIVERY ORDER NO. 0061
CONSTR. CONTRACT NO. N62470-02-D-3260
NAVFAC DRAWING NO.
SHEET I.D. 1.3

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Plot Date/Time: Apr 19, 2007 - 2:19pm
Plotted By: john.lange
Xref:
Image:



LEGEND

- BUILDING
- VES WELL SCREEN
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- W — WATERLINE W/VALVE
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- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION
- (14.56) GROUNDWATER ELEVATION (FT. BGS)
- GROUNDWATER CONTOUR (FT. BGS)
- GROUNDWATER FLOW
- (NM) NOT MEASURED

GROUNDWATER ELEVATIONS

JUNE 27, 2007

SURVEY NOTES:

1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.

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POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
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3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60

SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

REVISIONS

REV	DATE	BY	CHK'D APP'VD	DESCRIPTION/ISSUE

PROJECT NO. 845823

CHECKED BY	RBK
APPROVED BY	
DESIGNED BY	RBK
DRAWN BY	JEL

Shaw Environmental, Inc.

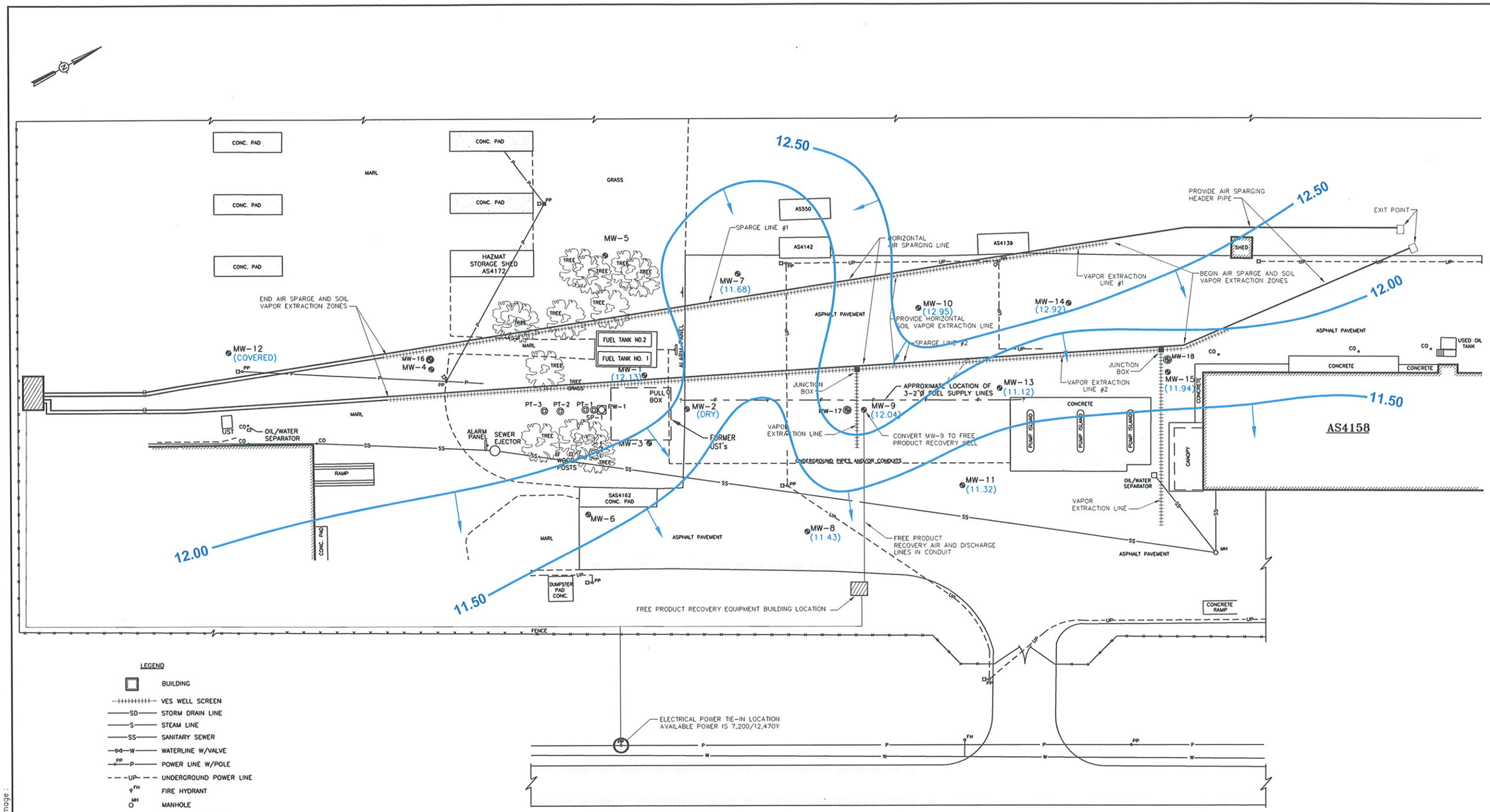
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP LEJEUNE, NORTH CAROLINA

GROUNDWATER ELEVATIONS CONTOUR MAP
TYPE II WELLS - JUNE 27, 2007

SCALE: AS SHOWN
SIZE:
DELIVERY ORDER NO. 0061
CONSTR. CONTRACT NO. N62470-02-D-3260
NAVFAC DRAWING NO.
SHEET I.D. 2.1

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Plot Date/Time: May 05, 2008 - 8:24am
Plotted By: john.longe
Xref :
Image :



LEGEND

- BUILDING
- VES WELL SCREEN
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- S — STEAM LINE
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- W — WATERLINE W/VALVE
- P — POWER LINE W/POLE
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- (14.56) GROUNDWATER ELEVATION (FT. BGS)
- GROUNDWATER CONTOUR (FT. BGS)
- GROUNDWATER FLOW
- (NM) NOT MEASURED

REFERENCE: J. A. JONES MONITORING REPORT.

GROUNDWATER ELEVATIONS

OCTOBER 9, 2007

SURVEY NOTES:

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POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
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3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
SCALE IN FEET

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

PROJECT NO. 845823

DESIGNED BY	RBK	
DRAWN BY	JEL	
CHECKED BY	RBK	
APPROVED BY		

Shaw Environmental, Inc.

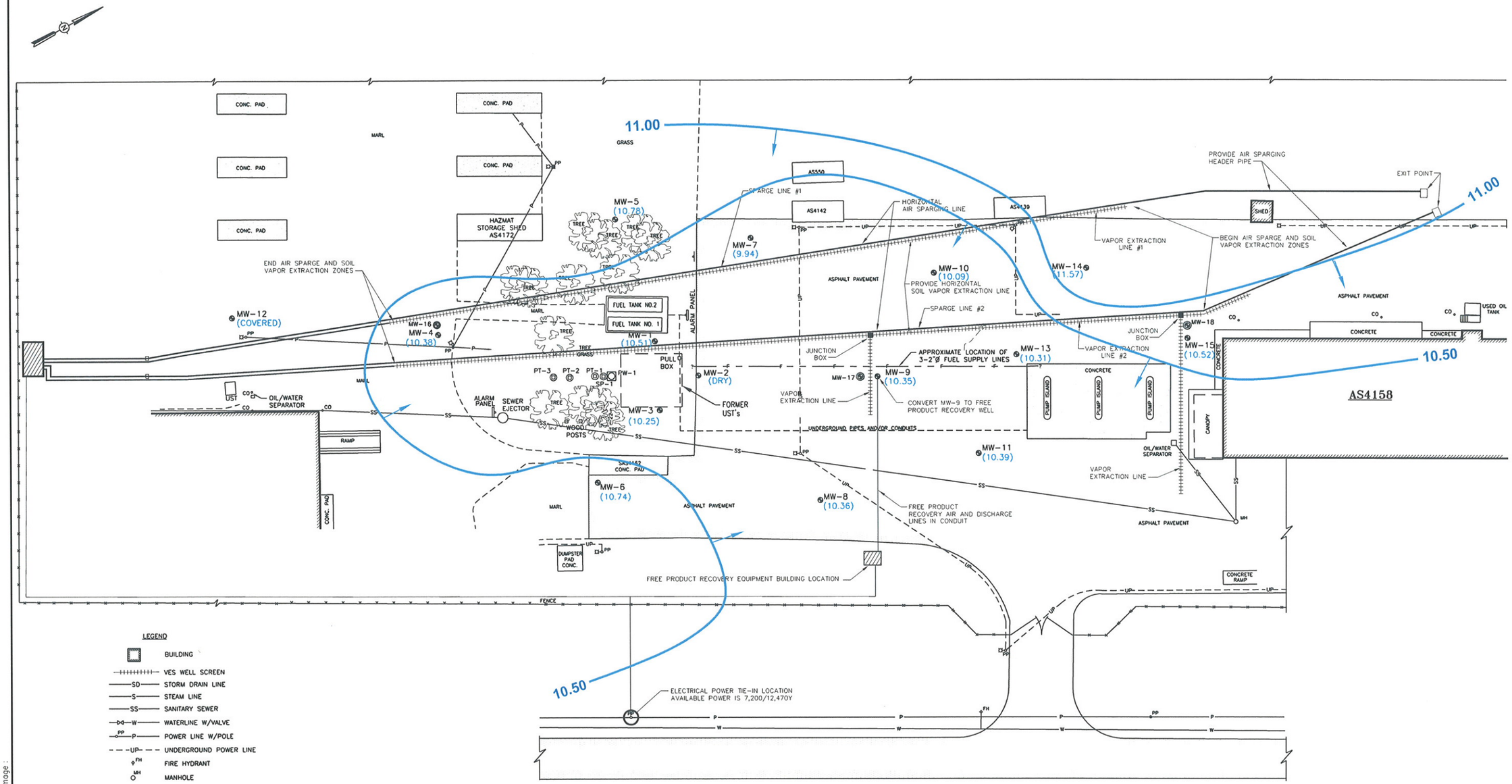
DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP LEJEUNE, NORTH CAROLINA

GROUNDWATER ELEVATIONS CONTOUR MAP
TYPE II WELLS – OCTOBER 9, 2007

SCALE: AS SHOWN
SIZE:
DELIVERY ORDER NO. 0061
CONSTR. CONTRACT NO. N62470-02-D-3260
NAVFAC DRAWING NO.
SHEET I.D. 2.2

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Image :
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Plotted By: john.lange



LEGEND

- BUILDING
- VES WELL SCREEN
- SD — STORM DRAIN LINE
- S — STEAM LINE
- SS — SANITARY SEWER
- W — WATERLINE W/VALVE
- PP — POWER LINE W/POLE
- UP — UNDERGROUND POWER LINE
- FH — FIRE HYDRANT
- MH — MANHOLE
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- TYPE II MONITORING WELL
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- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION
- (14.56) GROUNDWATER ELEVATION (FT. BGS)
- GROUNDWATER CONTOUR (FT. BGS)
- GROUNDWATER FLOW
- (NM) NOT MEASURED

GROUNDWATER ELEVATIONS

JANUARY 8, 2008

SURVEY NOTES:

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0 30 60
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

REVISIONS

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

PROJECT NO. 845823

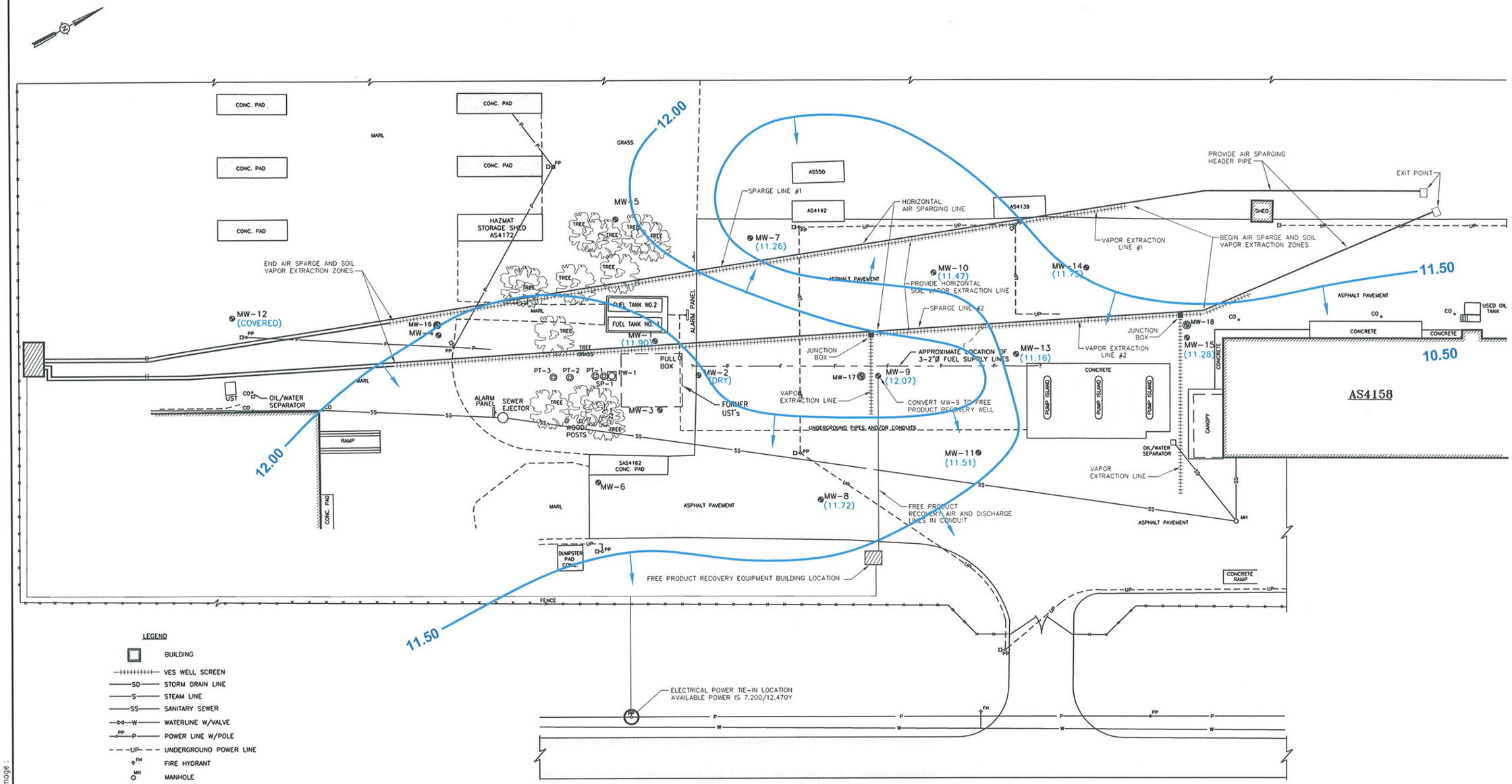
CHECKED BY	RBK
APPROVED BY	
DESIGNED BY	RBK
DRAWN BY	JEL

Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVAL STATION
ATLANTIC DIVISION
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP LEJEUNE, NORTH CAROLINA
GROUNDWATER ELEVATIONS CONTOUR MAP
TYPE II WELLS - JANUARY 8, 2008

SCALE: AS SHOWN
SIZE:
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CONSTR. CONTRACT NO. N62470-02-D-3260
NAVFAC DRAWING NO.
SHEET I.D. 2.3

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Plotted By: john.lange
Xref :
Image :



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- GROUNDWATER CONTOUR (FT. BGS)
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GROUNDWATER ELEVATIONS

MARCH 26, 2008

SURVEY NOTES:

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0 30 60
SCALE IN FEET

REVISIONS

REV	DATE	BY	CHK'D	APP'VD	DESCRIPTION/ISSUE

PROJECT NO. 845823

CHECKED BY	RBK
APPROVED BY	
DESIGNED BY	RBK
DRAWN BY	JEL

Shaw Environmental, Inc.

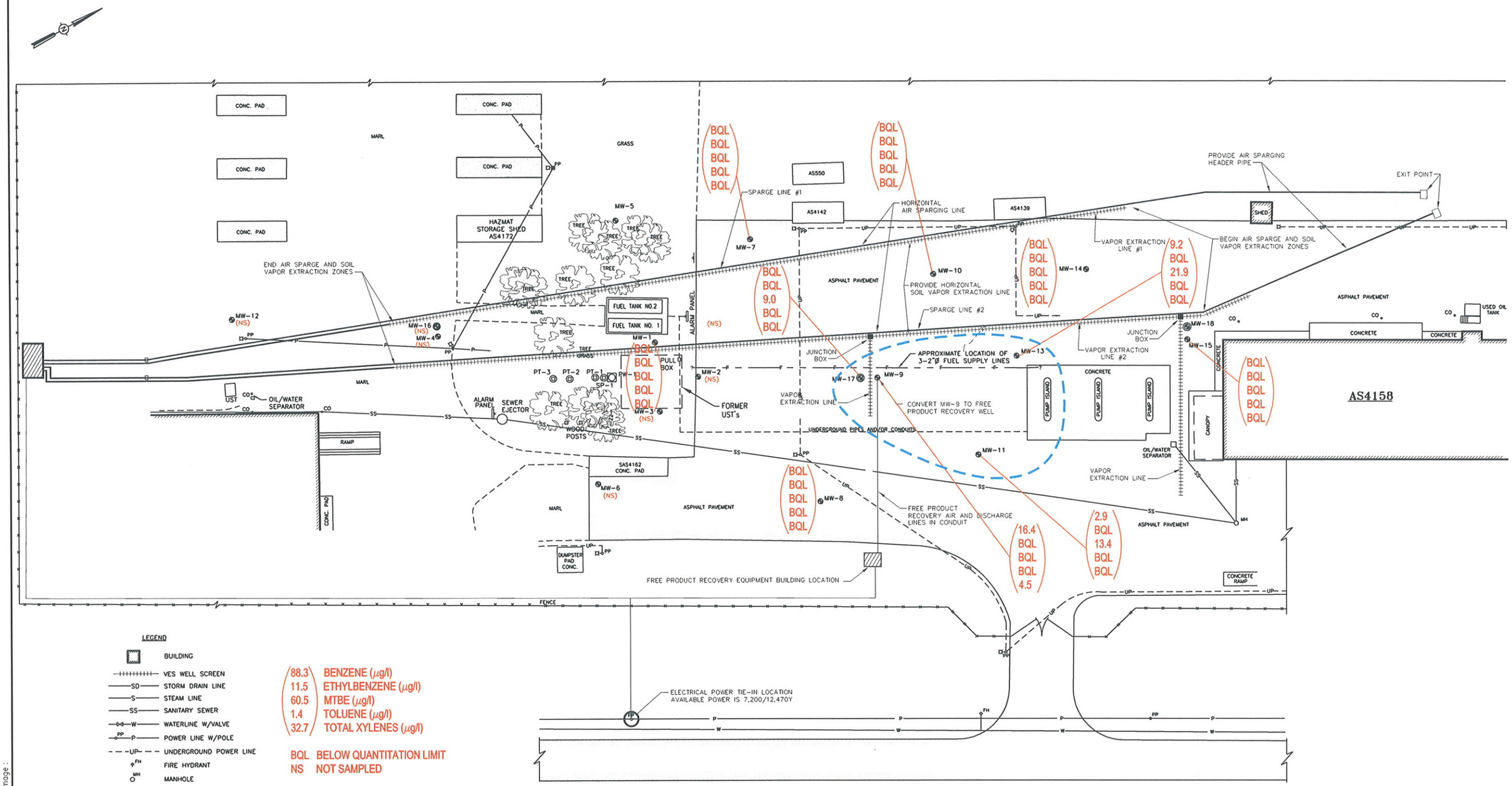
DEPARTMENT OF THE NAVY
NAVAL STATION
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP LEJEUNE, NORTH CAROLINA

GROUNDWATER ELEVATIONS CONTOUR MAP
TYPE II WELLS –MARCH 26, 2008

SCALE:	SIZE:
AS SHOWN	
DELIVERY ORDER NO.	0061
CONSTR. CONTRACT NO.	N62470-02-D-3260
NAVFAC DRAWING NO.	
SHEET I.D.	2.4

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Plotted By: john.longe
Xref :
Image :



LEGEND

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- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION
- INTERPRETED AERIAL EXTENT OF BENZENE ABOVE THE NCAC 15A:2L STANDARD OF 1 µg/L

88.3 BENZENE (µg/l)
11.5 ETHYLBENZENE (µg/l)
60.5 MTBE (µg/l)
1.4 TOLUENE (µg/l)
32.7 TOTAL XYLENES (µg/l)

BQL BELOW QUANTITATION LIMIT
NS NOT SAMPLED

DISSOLVED GROUNDWATER CONTAMINANT ISOCONCENTRATION MAP

JUNE 23, 2007

SURVEY NOTES:

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SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

REVISIONS					
REV	DATE	BY	CHK'D	APPV'D	DESCRIPTION/ISSUE

PROJECT NO. 845823

DESIGNED BY	RBK	
DRAWN BY	JEL	
CHECKED BY	RBK	
APPROVED BY		

Shaw Environmental, Inc.

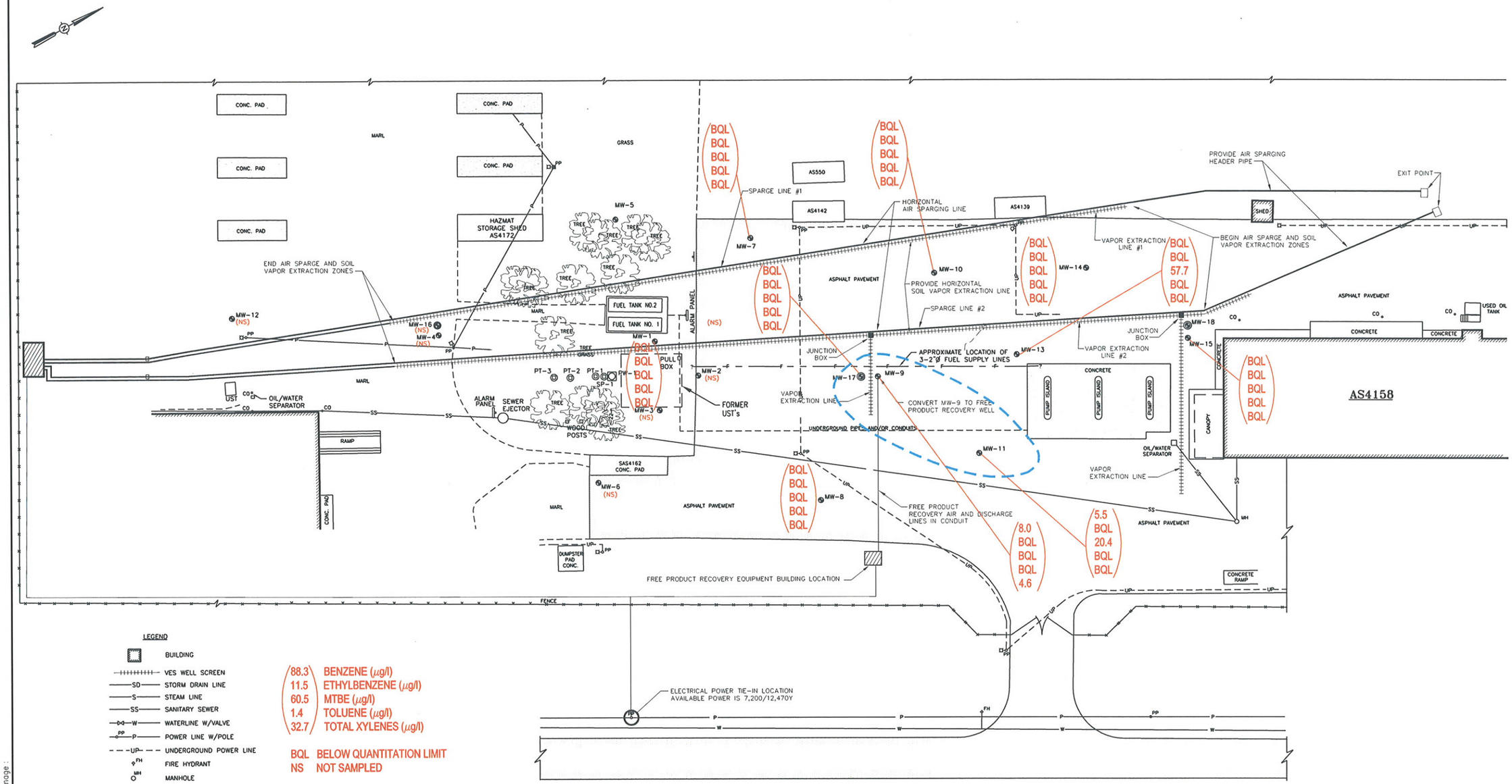
DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION — ATLANTIC DIVISION — NORFOLK, VIRGINIA

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CAMP LEJEUNE, NORTH CAROLINA

DISSOLVED GROUNDWATER CONTAMINANT ISOCONCENTRATION MAP - JUNE 23, 2007

SCALE:	AS SHOWN
SIZE:	
DELIVERY ORDER NO.	0061
CONSTR. CONTRACT NO.	N62470-02-D-3260
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SHEET I.D.	3.1

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Image :
Plotted By: john.lange



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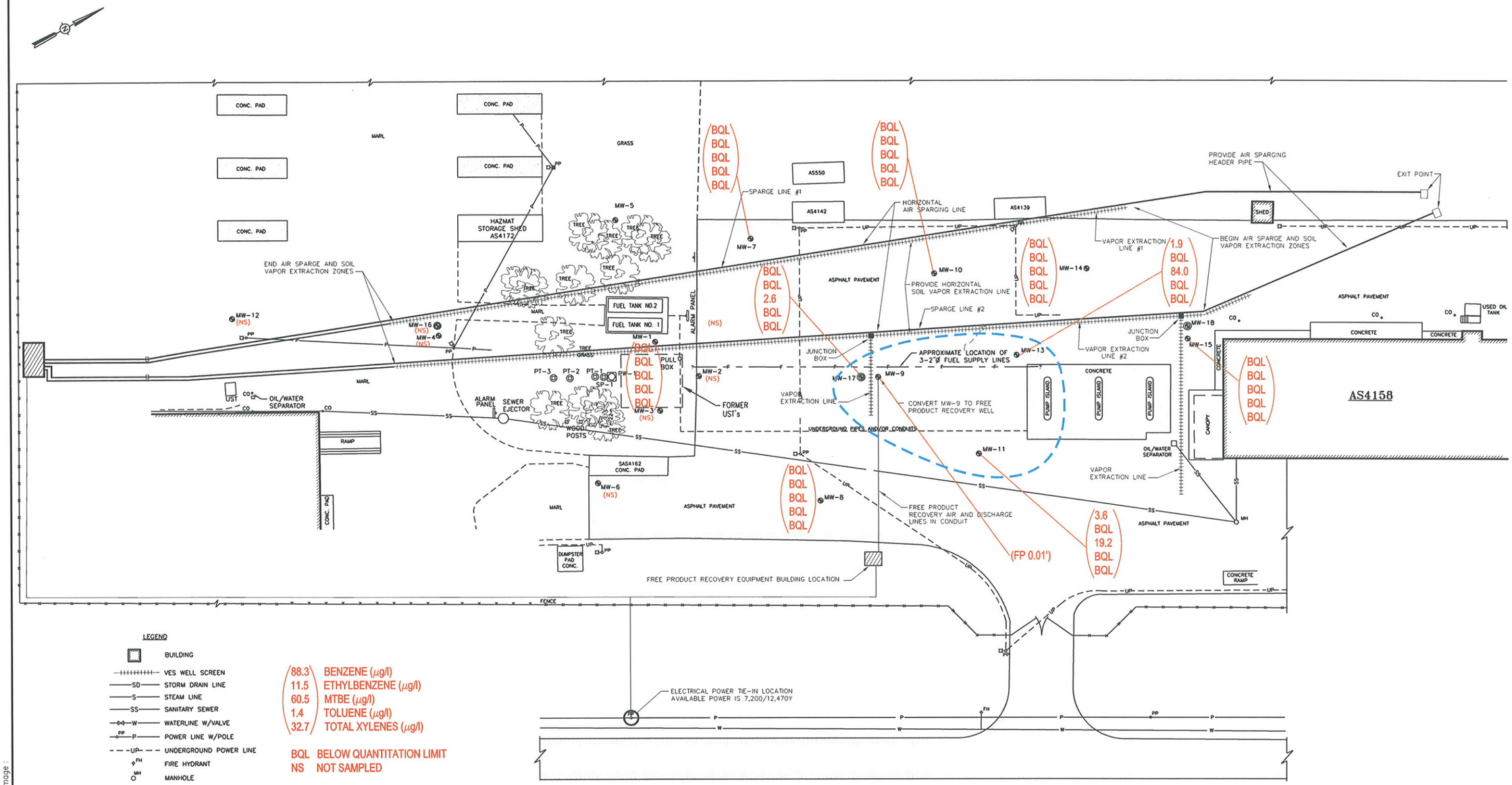
PROJECT NO. 845823
CHECKED BY RBK
APPROVED BY
DESIGNED BY RBK
DRAWN BY JEL

Shaw Environmental, Inc.

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NORFOLK, VIRGINIA
NAVAL STATION
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BUILDING AS4158
CAMP LEJEUNE, NORTH CAROLINA
DISSOLVED GROUNDWATER CONTAMINANT ISOCONCENTRATION MAP - OCTOBER 9, 2007

SCALE: AS SHOWN
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DELIVERY ORDER NO. 0061
CONSTR. CONTRACT NO. N62470-02-D-3260
NAVFAC DRAWING NO.
SHEET I.D. 3.2

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Plotted By: John.lange
Xref :
Image :



LEGEND

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PROJECT NO. 845823

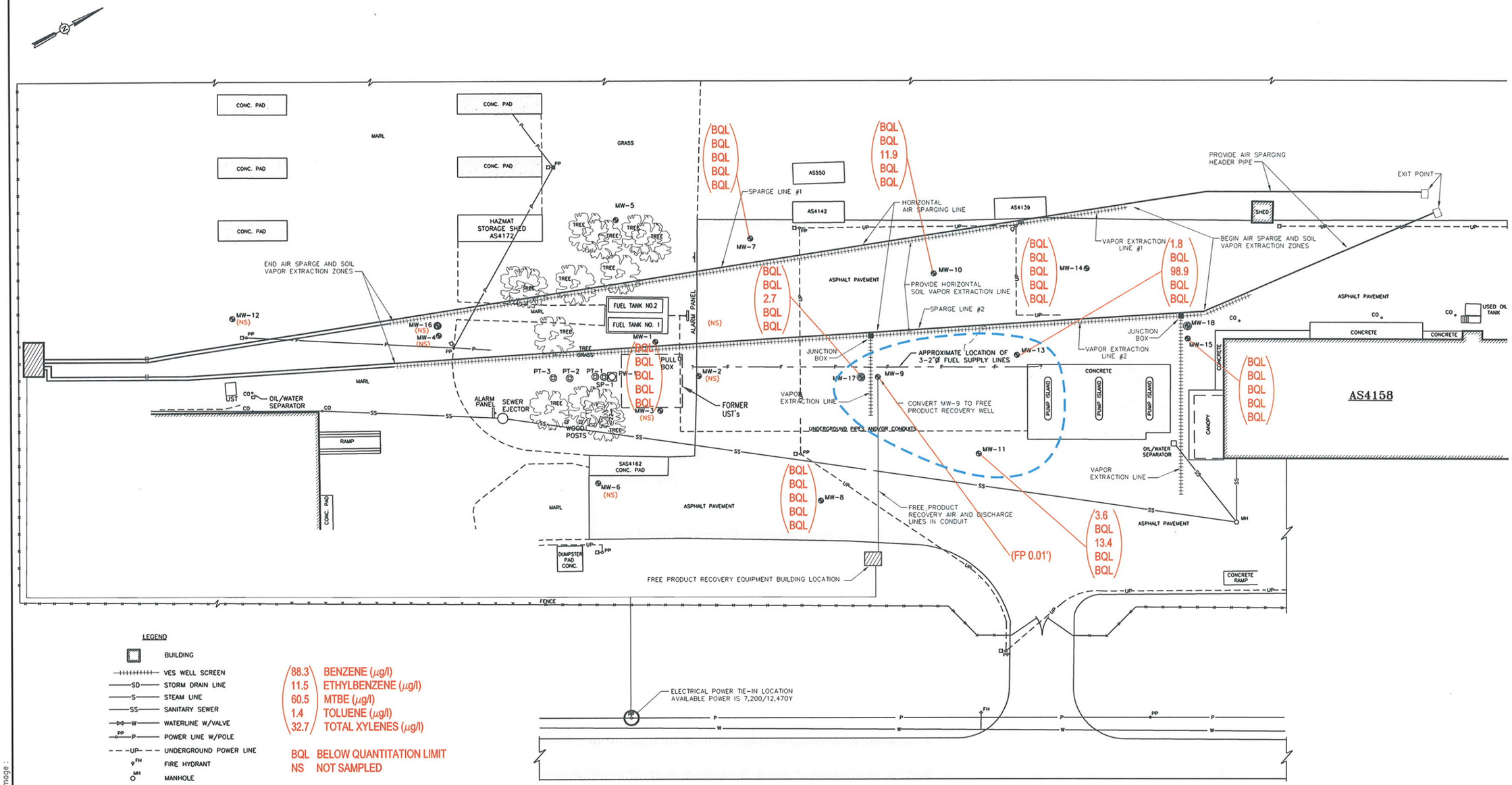
CHECKED BY	RBK	
APPROVED BY		
DESIGNED BY	RBK	JEL
DRAWN BY		

Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
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SCALE: AS SHOWN
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Image:
Plotted By: john.longe



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REVISIONS				
DESCRIPTION/ISSUE	CHK'D APPR'D	BY	DATE	REV

PROJECT NO. 845823

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NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP LEJEUNE, NORTH CAROLINA

DISSOLVED GROUNDWATER CONTAMINANT
ISOCONCENTRATION MAP - MARCH 26, 2008

SCALE: AS SHOWN
SIZE:
DELIVERY ORDER NO. 0061
CONSTR. CONTRACT NO. N62470-02-D-3260
NAVFAC DRAWING NO.
SHEET I.D. 3.4

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Plot Date/Time: May 05, 2008 - 8:32am
Xref:
Image:
Plotted By: John.Longe

APPENDIX A

GROUNDWATER SAMPLE COLLECTION FIELD LOGS

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER:	125709
PROJECT NAME:	AS 4158
WELL NO.	MW-01
SAMPLE NO.	USTAS4158-MW01

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1645
PHONE: 910-451-2390	WEATHER: PC 80'	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg~~		
PH	7.39			6.49			(STD)
Specific Conductivity	0.713			0.713			(m S/cm°)
Turbidity (Turb)	45.8			17.0			(NTU)
Dissolved Oxygen (DO)	7.19			0.28			(mg/l)
Temperature (Temp)	16.984			16.781			(°C)
ORP	-29.6			-57.4			

Depth to Bottom	195.00	(In) (Minus)	Depth to Water	89.16	(In)	=	105.84	HT (in)
Depth to Bottom	16.25	(Ft) (Minus)	Depth to Water	7.43	(Ft)	=	8.82	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		X3 Purge Vol.	Est Vol. Purged
TOP			105.84	1	3.14	~~1.4~~	.0043	~~4.3~~		4.3	2.
Middle					3.14	332	.0043	1.4			
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: Readings Stabilized

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. MW07	
SAMPLE NO. USTAS4158-MW07	

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1600
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	7.48			5.12			(STD)
Specific Conductivity	0.129			0.129			(m S/cm°)
Turbidity (Turb)	739			20.4			(NTU)
Dissolved Oxygen (DO)	6.98			6.12			(mg/l)
Temperature (Temp)	16.70			16.83			(°C)
ORP	76.4			-11.2			

Depth to Bottom	176.40	(In) (Minus)	Depth to Water	108.84	(In)	=	67.56	HT (in)
Depth to Bottom	14.70	(Ft) (Minus)	Depth to Water	9.07	(Ft)	=	5.63	HT (ft)

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

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		3x Purge Vol.	EST Vol. Purged
TOP			67.56	1	3.14	212	.0043	0.9		2.7	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: Purge water was dark color then cleared
Readings Stabilized.

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. MW-8
SAMPLE NO.USTAS4158-MW08

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1230
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	6.24			6.24			(STD)
Specific Conductivity	0.935			0.933			(m S/cm^6)
Turbidity (Turb)	179.7			179.4			(NTU)
Dissolved Oxygen (DO)	7.75			4.23			(mg/l)
Temperature (Temp)	23.95			23.95			(°C)
ORP	247.5			247.5			

Depth to Bottom	196.20	(In) (Minus)	Depth to Water	120.29	(In)	=	75.96	HT (in)
Depth to Bottom	16.35	(Ft) (Minus)	Depth to Water	10.02	(Ft)	=	6.33	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		3x Purge Vol.	Est Vol. Purged
TOP			75.96	1	3.14	239	.0043	1.0		3.1	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: stabilized Readings

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. MW-9	
SAMPLE NO.USTAS4158- MW09	
PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: PC 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 6/23/07
TIME 1330
No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	7.39			6.99			(STD)
Specific Conductivity	0.730			0.611			(m S/cm°)
Turbidity (Turb)	76.8			22.1			(NTU)
Dissolved Oxygen (DO)	8.65			0.12			(mg/l)
Temperature (Temp)	17.29			16.86			(°C)
ORP	139.0			23.4			

Depth to Bottom	189.84	(In) (Minus)	Depth to Water	113.64	(In)	=	76.20	HT (in)
Depth to Bottom	15.82	(Ft) (Minus)	Depth to Water	9.47	(Ft)	=	6.35	HT (ft)

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

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		3x Purge Vol.	EST. Vol. Purged
TOP			76.20	1	3.14	239	.0043	1.0		3.1	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: Readings Stabilized

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. MW10
SAMPLE NO.USTAS4158- MW10

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1500
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	6.49			6.23			(STD)
Specific Conductivity	0.301			0.300			(m S/cm°)
Turbidity (Turb)	239			162			(NTU)
Dissolved Oxygen (DO)	7.39			4.23			(mg/l)
Temperature (Temp)	18.99			21.04			(°C)
ORP	699			74.0			

Depth to Bottom	190.56	(In) (Minus)	Depth to Water	129.48	(In)	=	61.08	HT (in)
Depth to Bottom	15.88	(Ft) (Minus)	Depth to Water	10.78	(Ft)	=	5.09	HT (ft)

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

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		3x Purge Vol.	Est. Vol. Purged
TOP			61.08	1	3.14	192	.0043	0.8		2.5	1.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: Readings stabilized

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. MW11	
SAMPLE NO.USTAS4158-MW11	
PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: PC 80's
LEL:	
PID:	Sampling Device: Bailer

DATE 6/23/07
TIME 1130
Well Locked: [X] Yes
No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	6.25			6.24			(STD)
Specific Conductivity	0.939			0.935			(m S/cm°)
Turbidity (Turb)	74.7			73.7			(NTU)
Dissolved Oxygen (DO)	7.27			7.25			(mg/l)
Temperature (Temp)	23.93			23.95			(°C)
ORP	248.1			247.5			

Depth to Bottom	197.04	(In) (Minus)	Depth to Water	133.44	(In)	=	63.60	HT (in)
Depth to Bottom	~~16.88~~ 16.42	(Ft) (Minus)	Depth to Water	11.12	(Ft)	=	5.30	HT (ft)

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

3x Est

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			63.60	1	3.14	200	.0043	0.9		2.6	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: Readings Stabilized

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

Shaw Environmental & Infrastructure, Inc.	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: AS 4158
		WELL NO.
		SAMPLE NO.USTAS4158-MW13

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1030
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	6.33			5.87			(STD)
Specific Conductivity	0.373			0.280			(m S/cm°)
Turbidity (Turb)	147			4.9			(NTU)
Dissolved Oxygen (DO)	4.39			1.21			(mg/l)
Temperature (Temp)	23.65			23.47			(°C)
ORP	212.7			237.3			

Depth to Bottom	200.76	(In) (Minus)	Depth to Water	137.16	(In)	=	63.60	HT (in)
Depth to Bottom	16.73	(Ft) (Minus)	Depth to Water	11.43	(Ft)	=	5.30	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			63.60	1	3.14	200	.0043	0.9		2.6	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

3 x Est.

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: Readings Stabilized

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. MW14	
SAMPLE NO.USTAS4158- MW14	
PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: PC 80's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 6/23/07
TIME 0930
No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	6.72			6.97			(STD)
Specific Conductivity	0.592			0.483			(m S/cm°)
Turbidity (Turb)	1211			3250			(NTU)
Dissolved Oxygen (DO)	6.39			1.04			(mg/l)
Temperature (Temp)	24.37			24.38			(°C)
ORP	127.6			172.0			

Depth to Bottom	187.60	(In) (Minus)	Depth to Water	117.60	(In)	=	72.00	HT (in)
Depth to Bottom	15.80	(Ft) (Minus)	Depth to Water	9.80	(Ft)	=	6.00	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		3X Purge Vol.	EST Vol. Purged
TOP			72.00	1	3.14	226	.0043	1.0		2.9	3.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: Readings Stabilized

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. MW-15
SAMPLE NO.USTAS4158-MW15

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0830
PHONE: 910-451-2390	WEATHER: PC 80's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	7.56			6.30			(STD)
Specific Conductivity	0.377			0.422			(m S/cm°)
Turbidity (Turb)	168			101.7			(NTU)
Dissolved Oxygen (DO)	5.06			1.21			(mg/l)
Temperature (Temp)	24.88			23.87			° (°C)
ORP	135.4			190.4			

Depth to Bottom	197.40	(In) (Minus)	Depth to Water	129.72	(In)	=	67.68	HT (in)
Depth to Bottom	16.45	(Ft) (Minus)	Depth to Water	10.81	(Ft)	=	5.64	HT (ft)

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

Multiply Together

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		3x Purge Vol.	EST Vol. Purged
TOP			67.68	1	3.14	213	.0043	0.9		2.7	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: Readings Stabilized

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. MW17	
SAMPLE NO.USTAS4158-MW17	

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 6/23/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1415
PHONE: 910-451-2390	WEATHER: PC 80'S	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	7.48			6.83			(STD)
Specific Conductivity	0.947			0.938			(m S/cm°)
Turbidity (Turb)	17.4			6.0			(NTU)
Dissolved Oxygen (DO)	7.63			0.23			(mg/l)
Temperature (Temp)	21.29			21.83			(°C)
ORP	123.4			-38.			

Depth to Bottom	595.56	(In) (Minus)	Depth to Water	131.28	(In)	=	464.28	HT (in)
Depth to Bottom	49.63	(Ft) (Minus)	Depth to Water	10.94	(Ft)	=	38.69	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		3x Purge Vol.	Est. Vol. Purged
TOP			464.28	1	3.14	1458	.0043	6.3		18.8	7
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	2 X 1 L Amber	4 deg. C.

COMMENTS: Readings stabilized

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW01
SAMPLE NO.USTAS4158-MW01

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1130
PHONE: 910-451-2390	WEATHER: Sunny 70-80	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	5.11	5.76					(STD)
Specific Conductivity	2.289	2.265					(m S/cm°)
Turbidity (Turb)	62.5	64.7					(NTU)
Dissolved Oxygen (DO)	1.22	1.02					(mg/l)
Temperature (Temp)	22.28	22.37					(°C)
ORP	-59.2	-73.6					

Depth to Bottom		(In) (Minus)	Depth to Water		(In)	=		HT (in)
Depth to Bottom		(Ft) (Minus)	Depth to Water	8.41	(Ft)	=		HT (ft)

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

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

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158 MW01	3 X 40 ml	HCL
PAH 610	USTAS4158 MW01	2 X 1 L Amber	4 deg. C.

COMMENTS: Purged Dry 2X vol.

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW07
SAMPLE NO.USTAS4158-MW07

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1030
PHONE: 910-451-2390	WEATHER: Sunny 70-80	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	4.66	4.46	4.38	4.39			(STD)
Specific Conductivity	2.233	2.237	2.269	2.270			(m S/cm°)
Turbidity (Turb)	659.7	164.2	176.5	57.4			(NTU)
Dissolved Oxygen (DO)	8.97	7.78	7.63	7.63			(mg/l)
Temperature (Temp)	24.47	24.58	24.60	24.61			(°C)
ORP	498.3	153.5	151.7	148.8			

Depth to Bottom		(In) (Minus)	Depth to Water		(In)	=		HT (in)
Depth to Bottom		(Ft) (Minus)	Depth to Water	9.69	(Ft)	=		HT (ft)

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

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

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW07	3 X 40 ml	HCL
PAH 610	USTAS4158 MW007	2 X 1 L Amber	4 deg. C.

COMMENTS: Purge water is muddy

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW08
SAMPLE NO.USTAS4158-MW08

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1130
PHONE: 910-451-2390	WEATHER: Sunny 70-80	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	5.29	4.64	4.66	4.57			(STD)
Specific Conductivity	1,568	1,485	1.449	1,444			(m S/cm^c)
Turbidity (Turb)	152.4	54.4	28.4	6.9			(NTU)
Dissolved Oxygen (DO)	2.06	1.38	1.27	1.20			(mg/l)
Temperature (Temp)	26.30	27.11	27.51	27.51			(°C)
ORP	84.0	110.4	110.1	108.7			

Depth to Bottom	196.56	(In) (Minus)	Depth to Water	129.00	(In)	=	67.56	HT (in)
Depth to Bottom	16.38	(Ft) (Minus)	Depth to Water	10.75	(Ft)	=	5.63	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			67.56	1	3.14	212	.0043	0.9		2.7	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158 - MW08	3 X 40 ml	HCL
PAH 610	USTAS4158 MW08	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: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW09
SAMPLE NO.USTAS4158-09

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1200
PHONE: 910-451-2390	WEATHER: Sunny 70-80'	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	4.51	4.47	4.38	4.21			(STD)
Specific Conductivity	0.379	0.368	0.368	0.369			(m S/cm°)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	4.39	2.86	1.13	0.68			(mg/l)
Temperature (Temp)	26.12	26.34	26.41	26.37			(°C)
ORP	291.7	287.8	282.1	279.8			

Depth to Bottom	189.84	(In) (Minus)	Depth to Water	119.76	(In)	=	70.08	HT (in)
Depth to Bottom	15.82	(Ft) (Minus)	Depth to Water	9.98	(Ft)	=	5.84	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS	Purge Vol.	Vol. Purged
TOP			70.08	1	3.14	220	.0043	0.9	2.8	3
Middle					3.14		.0043			
Bottom					3.14		.0043			
Total					3.14		.0043			

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158	3 X 40 ml	HCL
PAH 610	USTAS4158	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: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW10
SAMPLE NO.USTAS4158-MW10

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0930
PHONE: 910-451-2390	WEATHER: Cloudy. 70-80	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	4.40	4.03	3.90	3.90			(STD)
Specific Conductivity	1.766	1.740	1.718	1.720			(m S/cm^c)
Turbidity (Turb)	227.6	52.7	0	0			(NTU)
Dissolved Oxygen (DO)	8.39	7.01	3.90	3.85			(mg/l)
Temperature (Temp)	26.44	26.86	27.01	27.03			(°C)
ORP	185.6	187.0	180.2	180.1			

Depth to Bottom	191.28	(In) (Minus)	Depth to Water	113.76	(In)	=	77.52	HT (in)
Depth to Bottom	15.94	(Ft) (Minus)	Depth to Water	9.48	(Ft)	=	6.46	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			77.52	1	3.14	243	.0043	1.0		3.1	3 1/2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158 - MW10	3 X 40 ml	HCL
PAH 610	USTAS4158- MW10	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: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW 11
SAMPLE NO.USTAS4158-MW11

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1330
PHONE: 910-451-2390	WEATHER: Sunny 70-80.	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	3.94	3.57	3.27	3.29			(STD)
Specific Conductivity	3.423	3.317	2.981	2.981			(m S/cm°)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	3.49	2.31	1.01	0.76			(mg/l)
Temperature (Temp)	29.04	29.07	29.08	29.07			(°C)
ORP	181.6	222.4	281.8	288.5			

Depth to Bottom	197.40	(In) (Minus)	Depth to Water	141.36	(In)	=	56.04	HT (in)
Depth to Bottom	16.45	(Ft) (Minus)	Depth to Water	11.78	(Ft)	=	4.69	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			56.04	1	3.14	176	.0043	0.8		2.3	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW11	3 X 40 ml	HCL
PAH 610	USTAS4158 - MW11	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: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW13
SAMPLE NO.USTAS4158-MW13

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1430
PHONE: 910-451-2390	WEATHER: Clear 70-80	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	4.41	4.29	3.87	3.76			(STD)
Specific Conductivity	2,076	1,987	1.991	1,990			(m S/cm°)
Turbidity (Turb)	187	0	0	0			(NTU)
Dissolved Oxygen (DO)	5.79	3.21	1.17	0.86			(mg/l)
Temperature (Temp)	28.76	28.91	29.07	29.08			(°C)
ORP	121.4	137.8	139.4	140.2			

Depth to Bottom	201.12	(In) (Minus)	Depth to Water	145.32	(In)	=	55.80	HT (in)
Depth to Bottom	16.76	(Ft) (Minus)	Depth to Water	12.11	(Ft)	=	4.65	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			55.80	1	3.14	175	.0043	0.8		2.3	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158 MW13	3 X 40 ml	HCL
PAH 610	USTAS4158 MW13	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: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW 14
SAMPLE NO.USTAS4158-MW 14

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0830
PHONE: 910-451-2390	WEATHER: Cloudy 70S	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	3.69	3.54	3.54	3.54			(STD)
Specific Conductivity	2.801	2.625	2.614	2.614			(m S/cm°)
Turbidity (Turb)	30.9	51.0	6.11	6.11			(NTU)
Dissolved Oxygen (DO)	1.83	3.06	2.87	2.87			(mg/l)
Temperature (Temp)	26.23	27.51	27.02	27.12	27.2		(°C)
ORP	331.3	338.7	732.4	732.4			

Depth to Bottom	189.48	(In) (Minus)	Depth to Water	115.32	(In)	=	74.16	HT (in)
Depth to Bottom	15.79	(Ft) (Minus)	Depth to Water	9.61	(Ft)	=	6.18	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			74.16	1	3.14	233.	.0043	1.0		3.0	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158 - MW14	3 X 40 ml	HCL
PAH 610	USTAS4158 - MW14	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: 125709	
PROJECT NAME: AS 4158	
WELL NO. USTAS4158-MW 15	
SAMPLE NO.USTAS4158-MW15	

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0730
PHONE: 910-451-2390	WEATHER: Sunny 70-80	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg.~~		
PH	4.23	3.66	3.61	3.54			(STD)
Specific Conductivity	2.908	3.013	3.124	2.806			(m S/cm°)
Turbidity (Turb)	3.9	0	0	0			(NTU)
Dissolved Oxygen (DO)	8.40	7.41	6.90	5.96			(mg/l)
Temperature (Temp)	25.11	25.94	26.20	25.42			(°C)
ORP	218.7	249.8	291.3	351.3			

Depth to Bottom	197.64	(In) (Minus)	Depth to Water	135.72	(In)	=	61.92	HT (in)
Depth to Bottom	16.47	(Ft) (Minus)	Depth to Water	11.31	(Ft)	=	5.16	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			61.92	1	3.14	194	.0043	0.8		2.5	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW15	3 X 40 ml	HCL
PAH 610	USTAS4158-MW15	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: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158 - MW17
SAMPLE NO.USTAS4158- MW17

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 10/9/07
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	Avg.		
PH	7.53	7.02	6.57	6.54			(STD)
Specific Conductivity	0.939	0.927	0.922	0.922			(m S/cm°)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	6.39	2.38	1.17	6.31			(mg/l)
Temperature (Temp)	22.27	22.36	22.38	22.38			(°C)
ORP	87.6	12.8	-32.4	-44.1			

Depth to Bottom	595.56	(In) (Minus)	Depth to Water	143.64	(In)	=	451.92	HT (in)
Depth to Bottom	49.63	(Ft) (Minus)	Depth to Water	11.97	(Ft)	=	37.66	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			451.92	1	3.14	1419	.0043	6.1		18.3	19
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW17	3 X 40 ml	HCL
PAH 610	USTAS4158-MW17	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: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW01
SAMPLE NO.USTAS4158-MW01

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/9/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1400
PHONE: 910-451-2390	WEATHER: Cloudy Windy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg.~~		
PH	7.20	7.25					(STD)
Specific Conductivity	0.291	0.278					(m S/cm^c)
Turbidity (Turb)	196.3	92.8					(NTU)
Dissolved Oxygen (DO)	8.60	2.39					(mg/l)
Temperature (Temp)	20.96	20.57					(°C)
ORP	129.4	135.7					

Depth to Bottom	195.96	(In) (Minus)	Depth to Water	120.36	(In)	=	75.60	HT (in)
Depth to Bottom	16.33	(Ft) (Minus)	Depth to Water	10.03	(Ft)	=	6.30	HT (ft)

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

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			75.60	1	3.14	237	.0043	1.0		3.1	1 1/2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW01	3 X 40 ml	HCL
PAH 610	USTAS4158-MW01	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW01	1 X 500ml Poly	HN03

COMMENTS: Purged Dry @ 1 1/2 vol Allowed to Recharge and Sampled

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. USTAS4158-MW07	
SAMPLE NO.USTAS4158-MW07	

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/9/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1300
PHONE: 910-451-2390	WEATHER: Cloudy Windy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	6.08	6.22	6.11	6.10			(STD)
Specific Conductivity	0.109	0.098	0.090	0.090			(m S/cm°)
Turbidity (Turb)	975.5	747.0	207.0	53.4			(NTU)
Dissolved Oxygen (DO)	11.25	9.87	9.32	9.25			(mg/l)
Temperature (Temp)							(°C)
ORP							

Depth to Bottom	176.52	(In) (Minus)	Depth to Water	137.16	(In)	=	39.36	HT (in)
Depth to Bottom	14.71	(Ft) (Minus)	Depth to Water	11.43	(Ft)	=	3.28	HT (ft)

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

	BOTTOM	TOP	Layer Thickness	r^2	Π	Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			39.36	1	3.14	124	.0043	0.5		1.6	2.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 07	3 X 40 ml	HCL
PAH 610	USTAS4158-MW 07	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW 07	1 X 500ml Poly	HN03

COMMENTS: Bubbles in purge water. DO Readings High. DO. Recently Calibrated (MW10 DO Readings ALSO High. DO Readings from wells sampled after ARE IN RANGE)

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

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW08
SAMPLE NO.USTAS4158-MW08

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/9/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1500
PHONE: 910-451-2390	WEATHER: Cloudy Windy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg.~~		
PH	6.69	6.17	6.03	5.91			(STD)
Specific Conductivity	0.177	0.113	0.111	0.114			(m S/cm^c)
Turbidity (Turb)	990.5	988.6	207.4	268.9			(NTU)
Dissolved Oxygen (DO)	4.94	1.74	4.55	1.30			(mg/l)
Temperature (Temp)	22.95	22.72	22.89	22.96			(°C)
ORP	233.3	252.9	258.1	255.5			

Depth to Bottom	195.84	(In) (Minus)	Depth to Water	141.84	(In)	=	54.00	HT (in)
Depth to Bottom	16.32	(Ft) (Minus)	Depth to Water	11.82	(Ft)	=	4.5	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			54.00	1	3.14	170	.0043	0.7		2.2	2.5
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW08	3 X 40 ml	HCL
PAH 610	USTAS4158-MW08	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW08	1 X 500ml Poly	HN03

COMMENTS: Purge water started out as lt. Brn Sandy And Cleared

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

Shaw Environmental & Infrastructure, Inc.	WELL OR GROUND WATER DATA SHEET	PROJECT NUMBER: 125709
		PROJECT NAME: AS 4158
		WELL NO. USTAS4158-MW09
		SAMPLE NO.USTAS4158-MW09

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/10/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER: Cloudy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

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

Depth to Bottom	196.56	(In) (Minus)	Depth to Water	140.04	(In)	=	56.52	HT (in)
Depth to Bottom	16.38	(Ft) (Minus)	Depth to Water	11.67	(Ft)	=	4.71	HT (ft)

DP 11.66 0.01' LPH

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			56.52	1	3.14	177	.0043	0.8		2.3	Ø
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW	3 X 40 ml	HCL
PAH 610	USTAS4158-MW	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW	1 X 500ml Poly	HN03

COMMENTS: Product in well NO Sample TAKEN

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

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. USTAS4158-MW10	
SAMPLE NO.USTAS4158-MW10	

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/9/07
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1200
PHONE: 910-451-2390	WEATHER: Cloudy Windy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	6.26	5.81	5.65	5.91			(STD)
Specific Conductivity	0.274	0.255	0.237	0.236			(m S/cm°)
Turbidity (Turb)	314.3	231.4	152.9	156.6			(NTU)
Dissolved Oxygen (DO)	10.05	10.87	10.77	9.40			(mg/l)
Temperature (Temp)	22.77	23.02	23.06	23.18			(°C)
ORP	305.6	315.2	322.9	310.6			

Depth to Bottom	191.28	(In) (Minus)	Depth to Water	148.08	(In)	=	43.20	HT (in)
Depth to Bottom	15.94	(Ft) (Minus)	Depth to Water	12.34	(Ft)	=	3.60	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			43.20	1	3.14	136	.0043	0.6		1.7	2.0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 10	3 X 40 ml	HCL
PAH 610	USTAS4158-MW 10	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW 10	1 X 500ml Poly	HN03

COMMENTS: Bubbles in purge water. DO Readings High. DO Recently Calibrated (MW07 DO Readings Also High. DO Readings of Well Sampled After MW07 Are in Normal Range.)

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. USTAS4158-MW11	
SAMPLE NO.USTAS4158-MW11	

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/9/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1600
PHONE: 910-451-2390	WEATHER: Cloudy windy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	5,10	4,63	4,59	4,47			(STD)
Specific Conductivity	1,083	1,132	1,132	1,132			(m S/cm°)
Turbidity (Turb)	431	0	0	0			(NTU)
Dissolved Oxygen (DO)	5,22	2,26	1,54	0,73			(mg/l)
Temperature (Temp)	23,63	23,53	23,70	23,69			(°C)
ORP	438,8	434,3	416,6	420,1			

Depth to Bottom	197,40	(In) (Minus)	Depth to Water	152,52	(In)	=	44,88	HT (in)
Depth to Bottom	16,45	(Ft) (Minus)	Depth to Water	12,71	(Ft)	=	3,74	HT (ft)

d = 2 MEASUREMENTS (IN INCHES)

r = 1 Multiply Together

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			44,88	1	3.14	141	.0043	0,6		1,8	2,0
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 11	3 X 40 ml	HCL
PAH 610	USTAS4158-MW 11	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW 11	1 X 500ml Poly	HN03

COMMENTS:

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

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW13
SAMPLE NO.USTAS4158-MW13

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/9/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1700
PHONE: 910-451-2390	WEATHER: Windy Cloudy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg.~~		
PH	4.56	4.58	4.58	4.59			(STD)
Specific Conductivity	0.645	0.636	0.639	0.652			(m S/cm^c)
Turbidity (Turb)	62.5	192.6	33.4	0			(NTU)
Dissolved Oxygen (DO)	5.52	2.83	2.08	1.56			(mg/l)
Temperature (Temp)	23.73	23.79	23.81	23.78			(°C)
ORP	476.1	461.0	460.0	447.8			

Depth to Bottom	201.00	(In) (Minus)	Depth to Water	155.04	(In)	=	45.96	HT (in)
Depth to Bottom	16.75	(Ft) (Minus)	Depth to Water	12.92	(Ft)	=	3.83	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			45.96	1	3.14	144	.0043	0.6		1.9	2.
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW13	3 X 40 ml	HCL
PAH 610	USTAS4158-MW13	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW13	1 X 500ml Poly	HN03

COMMENTS:

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW 14
SAMPLE NO.USTAS4158-MW 14

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/9/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1100
PHONE: 910-451-2390	WEATHER: Cloudy windy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg~~		
PH	5.60	6.01					(STD)
Specific Conductivity	0.598	0.585					(m S/cm°)
Turbidity (Turb)	985.7	662.0					(NTU)
Dissolved Oxygen (DO)	5.97	2.44					(mg/l)
Temperature (Temp)	22.56	22.58					(°C)
ORP	254.7	283.5					

Depth to Bottom	189.60	(In) (Minus)	Depth to Water	131.52	(In)	=	58.08	HT (in)
Depth to Bottom	15.80	(Ft) (Minus)	Depth to Water	10.96	(Ft)	=	4.84	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			58.08	1	3.14	182	.0043	0.8		2.4	1
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 14	3 X 40 ml	HCL
PAH 610	USTAS4158-MW 14	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW 14	1 X 500ml Poly	HN03

COMMENTS: Purged Dry 1X Vol Let Recharg AND Then Sampled, Purge water started out as muddy & cleared to cloudy

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW 15
SAMPLE NO.USTAS4158-MW15

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/9/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1000
PHONE: 910-451-2390	WEATHER: Windy Cloudy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	☐ No

FIELD MEASUREMENTS

	1	2	3	4			
PH	5.03	4.75	4.74	4.74			(STD)
Specific Conductivity	0.442	0.496	0.497	0.501			(m S/cm°)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	5.46	3.48	3.27	3.19			(mg/l)
Temperature (Temp)	21.80	22.13	22.11	22.11			(°C)
ORP	420.0	445.9	435.5	435.6			

Depth to Bottom	197.40	(In) (Minus)	Depth to Water	152.76	(In)	=	44.64	HT (in)
Depth to Bottom	16.45	(Ft) (Minus)	Depth to Water	12.73	(Ft)	=	3.72	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			44.64	1	3.14	140	.0043	0.6		1.8	2
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 15	3 X 40 ml	HCL
PAH 610	USTAS4158-MW15	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW15	1 X 500ml Poly	HN03

COMMENTS:

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW 17
SAMPLE NO.USTAS4158-MW 17

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 1/10/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0930
PHONE: 910-451-2390	WEATHER: Cloudy 60's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	6.66	7.42	7.50	7.42			(STD)
Specific Conductivity	0.390	0.431	0.568	0.680			(m S/cm°)
Turbidity (Turb)	195.2	12.5	0	0			(NTU)
Dissolved Oxygen (DO)	11.49	6.29	1.13	0.76			(mg/l)
Temperature (Temp)	22.13	23.30	23.03	22.53			(°C)
ORP	238.4	274.0	287.1	260.8			

Depth to Bottom	603.60	(In) (Minus)	Depth to Water	148.92	(In)	=	454.68	HT (in)
Depth to Bottom	50.30	(Ft) (Minus)	Depth to Water	12.41	(Ft)	=	37.89	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			454.68	1	3.14	1428	.0043	6.1		18.4	19
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 17	3 X 40 ml	HCL
PAH 610	USTAS4158-MW 17	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW 17	1 X 500ml Poly	HN03

COMMENTS:

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

OTHER:

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. USTAS4158-MW01	
SAMPLE NO.USTAS4158-MW01	
PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: PC 50's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 3/26/08
TIME 1330
No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg.~~		
PH	5.83	5.56	5.53	5.55			(STD)
Specific Conductivity	0.391	0.374	0.374	0.374			(m S/cm°)
Turbidity (Turb)	796.1	221.1	87.6	44.4			(NTU)
Dissolved Oxygen (DO)	7.31	5.19	3.18	2.21			(mg/l)
Temperature (Temp)	26.08	25.56	25.36	25.40			(°C)
ORP	21.4	29.8	31.7	42.9			

Depth to Bottom	195.96	(In) (Minus)	Depth to Water	103.68	(In)	=	92.28	HT (in)
Depth to Bottom	16.33	(Ft) (Minus)	Depth to Water	8.64	(Ft)	=	7.69	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			92.28	1	3.14	290	.0043	1.2		3.4	4
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 01	3 X 40 ml	HCL
PAH 610	USTAS4158-MW 01	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW 01	1 X 500ml Poly	HN03

COMMENTS:

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. USTAS4158-MW07	
SAMPLE NO.USTAS4158-MW07	

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 3/26/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1230
PHONE: 910-451-2390	WEATHER: Sunny 50's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg.~~		
PH	4.99	4.83	4.77	4.77			(STD)
Specific Conductivity	0.824	0.741	0.741	0.740			(m S/cm°)
Turbidity (Turb)	298.4	132.1	68.5	32.6			(NTU)
Dissolved Oxygen (DO)	7.21	4.86	3.21	1.99			(mg/l)
Temperature (Temp)	23.63	23.55	23.56	23.87			(°C)
ORP							

Depth to Bottom	176.52	(In) (Minus)	Depth to Water	121.32	(In)	=	55.20	HT (in)
Depth to Bottom	14.71	(Ft) (Minus)	Depth to Water	10.11	(Ft)	=	4.60	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			55.20	1	3.14	173	.0043	0.7		2.2	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 07	3 X 40 ml	HCL
PAH 610	USTAS4158-MW 07	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW 07	1 X 500ml Poly	HN03

COMMENTS:

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. USTAS4158-MW 08	
SAMPLE NO.USTAS4158-MW 08	
PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin
PHONE: 910-451-2390	WEATHER: pc 50's
LEL:	Well Locked: [X] Yes
PID:	Sampling Device: Bailer

DATE 3/26/08
TIME 1415
No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg~~		
PH	6.35	5.14	5.10	5.11			(STD)
Specific Conductivity	1.063	1.057	1.060	1.063			(m S/cm^c)
Turbidity (Turb)	993.4	639.8	117.1	35.4			(NTU)
Dissolved Oxygen (DO)	7.73	5.29	4.97	4.69			(mg/l)
Temperature (Temp)	25.43	25.40	25.29	25.31			(°C)
ORP	77.4	256.2	278.7	300.1			

Depth to Bottom	195.84	(In) (Minus)	Depth to Water	125.52	(In)	=	70.32	HT (in)
Depth to Bottom	16.32	(Ft) (Minus)	Depth to Water	10.46	(Ft)	=	5.86	HT (ft)

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

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			70.32	1	3.14	221	.0043	0.9		2.8	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 08	3 X 40 ml	HCL
PAH 610	USTAS4158-MW 08	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW 08	1 X 500ml Poly	HN03

COMMENTS:

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW09
SAMPLE NO.USTAS4158-MW09

PROJECT LOCATION: Camp Léjeune	LOGGER: Mark Martin	DATE 3/28/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME
PHONE: 910-451-2390	WEATHER:	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

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

Depth to Bottom		(In) (Minus)	Depth to Water		(In)	=		HT (in)
Depth to Bottom	16.38	(Ft) (Minus)	Depth to Water	9.95	(Ft)	=		HT (ft)

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

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

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW	3 X 40 ml	HCL
PAH 610	USTAS4158-MW	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW	1 X 500ml Poly	HN03

COMMENTS: NO SAMPLE TAKEN 0.01' of product IN well ALONG with AN ASORBENT SOCK. 9.94/9.95

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

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WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709	
PROJECT NAME: AS 4158	
WELL NO. USTAS4158-MW10	
SAMPLE NO.USTAS4158-MW10	

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 3/26/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1145
PHONE: 910-451-2390	WEATHER: Sunny 50's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg.~~		
PH	5.86	5.13	4.76	4.76			(STD)
Specific Conductivity	0.223	0.198	0.177	0.127			(m S/cm°)
Turbidity (Turb)	198.4	78.4	63.9	62.1			(NTU)
Dissolved Oxygen (DO)	8.23	7.09	6.91	6.82			(mg/l)
Temperature (Temp)	23.79	23.77	23.77	23.68			(°C)
ORP	386.1	374.1	369.8	369.7			

Depth to Bottom	191.28	(In) (Minus)	Depth to Water	131.52	(In)	=	59.76	HT (in)
Depth to Bottom	15.94	(Ft) (Minus)	Depth to Water	10.96	(Ft)	=	4.98	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			59.76	1	3.14	188	.0043	0.8		2.4	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW10	3 X 40 ml	HCL
PAH 610	USTAS4158-MW10	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW10	1 X 500ml Poly	HN03

COMMENTS:

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

Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW 11
SAMPLE NO.USTAS4158-MW 11

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 3/26/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1500
PHONE: 910-451-2390	WEATHER: Sunny 60s	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg.~~		
PH	3.51	3.63	3.60	3.58			(STD)
Specific Conductivity	1.171	0.693	0.693	0.691			(m S/cm°)
Turbidity (Turb)	635.0	197.0	38.4	22.1			(NTU)
Dissolved Oxygen (DO)	6.91	2.21	0.21	0.17			(mg/l)
Temperature (Temp)	23.87	24.13	24.15	24.16			(°C)
ORP	285.4	276.5	230.1	229.8			

Depth to Bottom	197.40	(In) (Minus)	Depth to Water	139.08	(In)	=	58.32	HT (in)
Depth to Bottom	16.45	(Ft) (Minus)	Depth to Water	11.59	(Ft)	=	4.86	HT (ft)

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

d/2 = 1	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			58.32	1	3.14	183	.0043	0.8		2.4	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW 11	3 X 40 ml	HCL
PAH 610	USTAS4158-MW 11	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW 11	1 X 500ml Poly	HN03

COMMENTS:

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

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW13
SAMPLE NO.USTAS4158-MW13

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 3/26/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1100
PHONE: 910-451-2390	WEATHER: Sunny 50's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg.~~		
PH	4.41	3.58	3.85	3.88			(STD)
Specific Conductivity	2.641	2.657	2.709	2.709			(m S/cm°)
Turbidity (Turb)	593.4	333.4	98	76			(NTU)
Dissolved Oxygen (DO)	4.22	3.87	1.12	0.89			(mg/l)
Temperature (Temp)	23.22	23.10	23.09	22.89			(°C)
ORP	357.4	328.1	316.1	316.3			

Depth to Bottom	200.88	(In) (Minus)	Depth to Water	144.84	(In)	=	56.04	HT (in)
Depth to Bottom	16.75	(Ft) (Minus)	Depth to Water	12.07	(Ft)	=	4.67	HT (ft)

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

	BOTTOM	TOP	Layer Thickness	r^2	Π	Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			56.04	1	3.14	176	.0043	0.8		2.3	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW13	3 X 40 ml	HCL
PAH 610	USTAS4158-MW13	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW13	1 X 500ml Poly	HN03

COMMENTS:

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

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW/14
SAMPLE NO.USTAS4158-MW/14

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 3/26/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 1015
PHONE: 910-451-2390	WEATHER: Clear 50's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	Avg.		
PH	5.79						(STD)
Specific Conductivity	1.139						(m S/cm°)
Turbidity (Turb)	422.1						(NTU)
Dissolved Oxygen (DO)	6.18						(mg/l)
Temperature (Temp)	23.25						(°C)
ORP	297.4						

Depth to Bottom	189.60	(In) (Minus)	Depth to Water	129.36	(In)	=	60.24	HT (in)
Depth to Bottom	15.80	(Ft) (Minus)	Depth to Water	10.78	(Ft)	=	5.02	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			60.24	1	3.14	189	.0043	0.8		2.4	1
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW/14	3 X 40 ml	HCL
PAH 610	USTAS4158-MW/14	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW/14	1 X 500ml Poly	HN03

COMMENTS: Purge Dry @ 1x Vol. Allowed well To Recharge and Sampled

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

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW15
SAMPLE NO.USTAS4158-MW15

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 3/26/08
PROJECT CONTACT: Mark Martin	SAMPLER: Mark Martin	TIME 0930
PHONE: 910-451-2390	WEATHER: Clear 50's	
LEL:		Well Locked: [X] Yes
PID:	Sampling Device: Bailer	No

FIELD MEASUREMENTS

	1	2	3	4	~~Avg~~		
PH	7.36	7.21	6.89	6.92			(STD)
Specific Conductivity	0.331	0.329	0.330	0.331			(m S/cm°)
Turbidity (Turb)	137.4	63.9	12.1	9.8			(NTU)
Dissolved Oxygen (DO)	5.68	4.19	3.10	2.86			(mg/l)
Temperature (Temp)	23.12	23.09	23.10	23.10			(°C)
ORP	122.4	138.9	112.1	112.2			

Depth to Bottom	197.40	(In) (Minus)	Depth to Water	143.64	(In)	=	53.76	HT (in)
Depth to Bottom	16.45	(Ft) (Minus)	Depth to Water	11.97	(Ft)	=	4.48	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			53.76	1	3.14	169	.0043	0.7		2.2	3
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW15	3 X 40 ml	HCL
PAH 610	USTAS4158-MW15	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW15	1 X 500ml Poly	HN03

COMMENTS:

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

Shaw
Shaw Environmental & Infrastructure, Inc.

WELL OR GROUND WATER DATA SHEET

PROJECT NUMBER: 125709
PROJECT NAME: AS 4158
WELL NO. USTAS4158-MW17
SAMPLE NO.USTAS4158-MW17

PROJECT LOCATION: Camp Lejeune	LOGGER: Mark Martin	DATE 3/26/06
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	~~Avg~~		
PH	5.59	6.70	6.81	6.80			(STD)
Specific Conductivity	0.713	0.821	0.822	0.822			(m S/cm°)
Turbidity (Turb)	0	0	0	0			(NTU)
Dissolved Oxygen (DO)	5.78	0.21	0.19	0.19			(mg/l)
Temperature (Temp)	22.14	22.56	22.57	22.58			(°C)
ORP	21.4	-74.9	-86.3	~~-86.6~~	-86.3		

Depth to Bottom	603.60	(In) (Minus)	Depth to Water	133.68	(In)	=	469.92	HT (in)
Depth to Bottom	50.30	(Ft) (Minus)	Depth to Water	11.14	(Ft)	=	39.16	HT (ft)

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

	BOTTOM	TOP	Layer Thickness	r^2	Π	Vol. Cubic in.	Conversion Factor	EST. GALLONS		Purge Vol.	Vol. Purged
TOP			469.92	1	3.14	1476	.0043	6.3		19.0	20
Middle					3.14		.0043				
Bottom					3.14		.0043				
Total					3.14		.0043				

ANALYTE	CONTAINER NUMBER	SIZE	PRESERVATIVE
VOC 602	USTAS4158-MW17	3 X 40 ml	HCL
PAH 610	USTAS4158-MW17	2 X 1 L Amber	4 deg. C.
Lead 6010	USTAS4158-MW17	1 X 500ml Poly	HN03

COMMENTS:

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

APPENDIX B

GROUNDWATER LABORATORY ANALYTICAL REPORTS

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

07/06/07

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-AS-4158

125709

Accutest Job Number: F50631

Sampling Date: 06/23/07

Report to:

Shaw E & I, Inc.
500 E. Main Street Suite 1630
Norfolk, VA 23510
natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 67

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

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

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Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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Sample Summary

Shaw E & I, Inc.

Job No: F50631

Camp Lejeune-AS-4158
Project No: 125709

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F50631-1	06/23/07	16:45 AM	06/26/07	AQ	Ground Water	USTAS4158-MW01
F50631-2	06/23/07	16:00 AM	06/26/07	AQ	Ground Water	USTAS4158-MW07
F50631-3	06/23/07	12:30 AM	06/26/07	AQ	Ground Water	USTAS4158-MW08
F50631-4	06/23/07	13:30 AM	06/26/07	AQ	Ground Water	USTAS4158-MW09
F50631-5	06/23/07	15:00 AM	06/26/07	AQ	Ground Water	USTAS4158-MW10
F50631-6	06/23/07	11:30 AM	06/26/07	AQ	Ground Water	USTAS4158-MW11
F50631-7	06/23/07	10:30 AM	06/26/07	AQ	Ground Water	USTAS4158-MW13
F50631-8	06/23/07	09:30 AM	06/26/07	AQ	Ground Water	USTAS4158-MW14
F50631-9	06/23/07	08:30 AM	06/26/07	AQ	Ground Water	USTAS4158-MW15
F50631-10	06/23/07	14:15 AM	06/26/07	AQ	Ground Water	USTAS4158-MW17
F50631-11	06/23/07	16:00 AM	06/26/07	AQ	Ground Water	USTAS4158-MW07D

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW01		
Lab Sample ID:	F50631-1	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
Method:	EPA 624	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049366.D	1	06/28/07	KW	n/a	n/a	VC1992
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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW01		
Lab Sample ID:	F50631-1	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
Method:	EPA 624	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW01		
Lab Sample ID:	F50631-1	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R09023.D	1	07/03/07	NJ	06/29/07	OP21259	SR425
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	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ng/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	77%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW01		
Lab Sample ID:	F50631-1	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	6.7	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW07		
Lab Sample ID:	F50631-2	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049369.D	1	06/28/07	KW	n/a	n/a	VC1992
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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropeue	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW07		
Lab Sample ID:	F50631-2	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW07		
Lab Sample ID:	F50631-2	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R09024.D	1	07/03/07	NJ	06/29/07	OP21259	SR425
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	56%		42-108%
321-60-8	2-Fluorobiphenyl	56%		40-106%
1718-51-0	Terphenyl-d14	67%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW07		
Lab Sample ID:	F50631-2	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	6.8	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW08		
Lab Sample ID:	F50631-3	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049370.D	1	06/28/07	KW	n/a	n/a	VC1992
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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ng/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Tolnene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4I58-MW08		
Lab Sample ID:	F50631-3	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW08		
Lab Sample ID:	F50631-3	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	6.4	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW09		
Lab Sample ID:	F50631-4	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049371.D	1	06/28/07	KW	n/a	n/a	VC1992
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	16.4	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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.58	1.0	0.50	ug/l	J
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW09		
Lab Sample ID:	F50631-4	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	4.5	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW09		
Lab Sample ID:	F50631-4	**Date Sampled:**	06/23/07
Matrix:	AQ - Grouud Water	**Date Received:**	06/26/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	R09063.D	2	07/04/07	NJ	06/29/07	OP21259	SR426
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	2.7	9.8	2.0	ug/l	J
208-96-8	Acenaphthylene	ND	9.8	2.0	ug/l	
120-12-7	Anthracene	ND	9.8	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	9.8	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	9.8	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	9.8	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	9.8	3.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	9.8	2.0	ug/l	
218-01-9	Chrysene	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	9.8	3.9	ug/l	
206-44-0	Fluoranthene	ND	9.8	2.0	ug/l	
86-73-7	Fluorene	2.4	9.8	2.0	ug/l	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	9.8	3.9	ug/l	
90-12-0	1-Methylnaphthalene	5.8	9.8	2.0	ug/l	J
91-57-6	2-Methylnaphthalene	ND	9.8	2.0	ug/l	
91-20-3	Naphthalene	3.8	9.8	2.0	ug/l	J
85-01-8	Phenanthrene	ND	9.8	2.0	ug/l	
129-00-0	Pyrene	ND	9.8	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	63%		39-121%

(a) Dilution required due to matrix interference.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW09		
Lab Sample ID:	F50631-4	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	6.8 U	10	6.8	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW10		
Lab Sample ID:	F50631-5	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049372.D	1	06/28/07	KW	n/a	n/a	VC1992
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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ng/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW10		
Lab Sample ID:	F50631-5	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ng/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW10		
Lab Sample ID:	F50631-5	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R09026.D	1	07/03/07	NJ	06/29/07	OP21259	SR425
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	65%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW10		
Lab Sample ID:	F50631-5	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	13.7	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW11		
Lab Sample ID:	F50631-6	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
Method:	EPA 624	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049373.D	1	06/28/07	KW	n/a	n/a	VC1992
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	2.9	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	13.4	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW11		
Lab Sample ID:	F50631-6	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW11		
Lab Sample ID:	F50631-6	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	1.7 U	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW13		
Lab Sample ID:	F50631-7	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049374.D	1	06/28/07	KW	n/a	n/a	VC1992
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	9.2	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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.53	1.0	0.50	ug/l	J
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	21.9	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW13		
Lab Sample ID:	F50631-7	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.2	3.0	1.0	ug/l	J

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW13		
Lab Sample ID:	F50631-7	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R09027.D	1	07/03/07	NJ	06/29/07	OP21259	SR425
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	65%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW13		
Lab Sample ID:	F50631-7	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	5.6	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW14		
Lab Sample ID:	F50631-8	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049375.D	1	06/28/07	KW	n/a	n/a	VC1992
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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.60	1.0	0.50	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW14		
Lab Sample ID:	F50631-8	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW14		
Lab Sample ID:	F50631-8	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R09028.D	1	07/03/07	NJ	06/29/07	OP21259	SR425
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	64%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW14		
Lab Sample ID:	F50631-8	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	18.0	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW15		
Lab Sample ID:	F50631-9	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
Method:	EPA 624	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049376.D	1	06/28/07	KW	n/a	n/a	VC1992
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	
108-90-7	Chlorogenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Cargon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethaue	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Digromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorogeuzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorogenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorogenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylgenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl gromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Bntyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW15		
Lab Sample ID:	F50631-9	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW15		
Lab Sample ID:	F50631-9	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R09029.D	1	07/03/07	NJ	06/29/07	OP21259	SR425
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	61%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW15		
Lab Sample ID:	F50631-9	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	6.4	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW17		
Lab Sample ID:	F50631-10	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0049377.D	1	06/28/07	KW	n/a	n/a	VC1992
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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	9.0	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW17		
Lab Sample ID:	F50631-10	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

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

(a) Sample was not preserved to a pH < 2.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW17		
Lab Sample ID:	F50631-10	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R09030.D	1	07/03/07	NJ	06/29/07	OP21259	SR425
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	68%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW17		
Lab Sample ID:	F50631-10	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.9 B	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW07D		
Lab Sample ID:	F50631-11	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0049378.D	1	06/28/07	KW	u/a	n/a	VC1992
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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ng/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ng/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW07D		
Lab Sample ID:	F50631-11	Date Sampled:	06/23/07
Matrix:	AQ - Ground Water	Date Received:	06/26/07
Method:	EPA 624	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW07D		
Lab Sample ID:	F50631-11	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R09033.D	1	07/04/07	NJ	06/29/07	OP21259	SR425
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	0.98	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.98	ug/l	
120-12-7	Anthracene	ND	4.9	0.98	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.98	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.98	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.98	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.98	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	2.0	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.98	ug/l	
86-73-7	Fluorene	ND	4.9	0.98	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	ND	4.9	0.98	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.98	ug/l	
129-00-0	Pyrene	ND	4.9	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	62%		40-106%
1718-51-0	Terphenyl-d14	70%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW07D		
Lab Sample ID:	F50631-11	**Date Sampled:**	06/23/07
Matrix:	AQ - Ground Water	**Date Received:**	06/26/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	19.8	5.0	1.7	ug/l	1	06/26/07	06/27/07	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA5814
(2) Prep QC Batch: MP12345

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

F50631

CHAIN-OF-CUSTODY RECORD

COC Number:
125709USTAS4168-062307

Shaw
Shaw Environmental & Infrastructure, Inc.

3.1 C

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

Receiving LAB:Accutest

Project Name	Project Location
CAMP LEJEUNE -AS-4158	CAMP LEJEUNE, NC

Project Number	Contact	P.O. Number	Reviewed by
125709	Mark Martin		

Client Rep	Project Manager
US NAVY - LANTDIV	Joe Colella

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: 601/602	625 SVOCs for PAH	3030C Lead
1	USTAS4158-MW01	6/23/07	16:45		X	AS4158-MW01	6	X	X	X
2	USTAS4158-MW07	6/23/07	16:00		X	AS4158-MW07	6	X	X	X
3	USTAS4158-MW08	6/23/07	12:30		X	AS4158-MW08	6	X	X	X
4	USTAS4158-MW09	6/23/07	13:30		X	AS4158-MW09	6	X	X	X
5	USTAS4158-MW10	6/23/07	15:00		X	AS4158-MW10	6	X	X	X
6	USTAS4158-MW11	6/23/07	11:30		X	AS4158-MW11	6	X	X	X
7	USTAS4158-MW13	6/23/07	10:30		X	AS4158-MW13	6	X	X	X
8	USTAS4158-MW14	6/23/07	9:30		X	AS4158-MW14	6	X	X	X
9	USTAS4158-MW15	6/23/07	8:30		X	AS4158-MW15	6	X	X	X
10	USTAS4158-MW17	6/23/07	14:15		X	AS4158-MW17	6	X	X	X
11	USTAS4158-MW07D	6/23/07	16:00		X	AS4158-MW07 Dup	6	X	X	X
12	AS4158-TB-062307	6/23/07			X	Trip Blank	2	X		

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 12		FedEx 8530 7647 3419	6-25-07	16:00	**14 DAY TAT**
2		FX		6-26-07	09:20	FedEx 8610 5636 0916, 8610 5636 0949, 8530 7647 3419
3						

1.2 1.8 2.4

F50631: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories
F50631

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F50631 CLIENT: SHAW PROJECT: CAMP LEJEUNE . AS-4158

DATE/TIME RECEIVED: 6-26-07 09:30 # OF COOLERS RECEIVED: 3 COOLER TEMPS: 1.2 1.8 2.4

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

AIRBILL NUMBERS: 8610 5636 0949

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? ϕ

NUMBER OF 5035 FIELD KITS ? ϕ

NUMBER OR LAB FILTERED METALS ? ϕ

SUMMARY OF COMMENTS: WE did Not RECEIVED AMBERS FOR SAMPLES # 3, 6 (623)
WE RECEIVED 1 METAL BOTTLE WITH NO'T INFORMATION WE PLACE TO # 6
RECEIVED 4 AMBERS WITH NOT ID - DATE and TIME WILL BE
SAMPLE # 12.

TECHNICIAN SIGNATURE/DATE: JC 6-26-07 TECHNICIAN SIGNATURE/DATE: ASBD 10/03/06

F50631: Chain of Custody
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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1992-MB	C0049360.D	1	06/27/07	KW	n/a	n/a	VC1992

The QC reported here applies to the following samples: Method: EPA 624

F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

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	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ng/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	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ng/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

Method Blank Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1992-MB	C0049360.D	1	06/27/07	KW	n/a	n/a	VC1992

The QC reported here applies to the following samples: Method: EPA 624

F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Blank Spike Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1992-BS	C0049359.D	1	06/27/07	KW	n/a	n/a	VC1992

The QC reported here applies to the following samples: Method: EPA 624

F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.1	96	83-124
75-27-4	Bromodichloromethane	25	22.3	89	76-116
75-25-2	Bromoform	25	23.7	95	68-128
108-90-7	Chlorobenzene	25	24.1	96	87-115
75-00-3	Chloroethane	25	24.3	97	54-166
67-66-3	Chloroform	25	24.6	98	85-123
110-75-8	2-Chloroethyl vinyl ether	125	118	94	63-125
56-23-5	Carbon tetrachloride	25	23.4	94	74-139
75-34-3	1,1-Dichloroethane	25	25.6	102	82-127
75-35-4	1,1-Dichloroethylene	25	22.4	90	75-133
107-06-2	1,2-Dichloroethane	25	23.3	93	76-122
78-87-5	1,2-Dichloropropane	25	25.0	100	81-120
124-48-1	Dibromochloromethane	25	22.5	90	74-116
75-71-8	Dichlorodifluoromethane	25	32.0	128	34-158
156-59-2	cis-1,2-Dichloroethylene	25	23.0	92	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.1	92	83-119
541-73-1	m-Dichlorobenzene	25	23.4	94	86-115
95-50-1	o-Dichlorobenzene	25	24.2	97	85-115
106-46-7	p-Dichlorobenzene	25	23.4	94	87-113
156-60-5	trans-1,2-Dichloroethylene	25	23.5	94	82-126
10061-02-6	trans-1,3-Dichloropropene	25	22.5	90	87-123
100-41-4	Ethylbenzene	25	23.6	94	87-118
74-83-9	Methyl bromide	25	27.0	108	55-151
74-87-3	Methyl chloride	25	31.0	124	55-173
75-09-2	Methylene chloride	25	24.5	98	69-125
1634-04-4	Methyl Tert Butyl Ether	25	22.3	89	75-116
71-55-6	1,1,1-Trichloroethane	25	23.0	92	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	23.5	94	80-114
127-18-4	Tetrachloroethylene	25	23.9	96	80-131
108-88-3	Toluene	25	23.4	94	86-116
79-01-6	Trichloroethylene	25	24.1	96	85-124
75-69-4	Trichlorofluoromethane	25	24.3	97	66-156
75-01-4	Vinyl chloride	25	26.6	106	57-153
1330-20-7	Xylene (total)	75	69.6	93	86-120

Blank Spike Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1992-BS	C0049359.D	1	06/27/07	KW	n/a	n/a	VC1992

The QC reported here applies to the following samples: Method: EPA 624

F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F50631-1MS	C0049367.D	1	06/28/07	KW	n/a	n/a	VC1992
F50631-1MSD	C0049368.D	1	06/28/07	KW	n/a	n/a	VC1992
F50631-1	C0049366.D	1	06/28/07	KW	n/a	n/a	VC1992

The QC reported here applies to the following samples: Method: EPA 624

F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

CAS No.	Compound	F50631-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	24.0	96	24.2	97	1	83-124/11
75-27-4	Bromodichloromethane	ND		25	22.3	89	22.4	90	0	76-116/10
75-25-2	Bromoform	ND		25	23.5	94	23.5	94	0	68-128/11
108-90-7	Chlorobenzene	ND		25	23.5	94	23.8	95	1	87-115/9
75-00-3	Chloroethane	ND		25	27.5	110	26.2	105	5	54-166/20
67-66-3	Chloroform	ND		25	24.4	98	24.3	97	0	85-123/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
56-23-5	Carbon tetrachloride	ND		25	23.5	94	23.6	94	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	25.8	103	25.8	103	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	23.4	94	23.4	94	0	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	23.5	94	23.3	93	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.5	98	24.9	100	2	81-120/11
124-48-1	Dibromochloromethane	ND		25	21.6	86	21.8	87	1	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	31.2	125	33.6	134	7	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	22.5	90	23.1	92	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	21.7	87	22.0	88	1	83-119/10
541-73-1	m-Dichlorobenzene	ND		25	22.9	92	22.8	91	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.8	95	23.5	94	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	22.6	90	22.9	92	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	23.7	95	23.7	95	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	21.3	85*	21.3	85*	0	87-123/10
100-41-4	Ethylbenzene	ND		25	23.1	92	23.4	94	1	87-118/10
74-83-9	Methyl bromide	ND		25	28.8	115	29.0	116	1	55-151/21
74-87-3	Methyl chloride	ND		25	33.1	132	34.6	138	4	55-173/22
75-09-2	Methylene chloride	ND		25	25.3	101	25.1	100	1	69-125/11
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.0	88	22.3	89	1	75-116/10
71-55-6	1,1,1-Trichloroethane	ND		25	23.0	92	22.4	90	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.7	95	23.6	94	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.9	92	23.6	94	3	80-114/11
127-18-4	Tetrachloroethylene	ND		25	22.8	91	23.2	93	2	80-131/12
108-88-3	Toluene	ND		25	22.4	90	23.1	92	3	86-116/10
79-01-6	Trichloroethylene	ND		25	23.6	94	23.1	92	2	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	28.2	113	26.8	107	5	66-156/15
75-01-4	Vinyl chloride	ND		25	27.9	112	29.0	116	4	57-153/22
1330-20-7	Xylene (total)	ND		75	67.7	90	68.8	92	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F50631-1MS	C0049367.D	1	06/28/07	KW	n/a	n/a	VC1992
F50631-1MSD	C0049368.D	1	06/28/07	KW	n/a	n/a	VC1992
F50631-1	C0049366.D	1	06/28/07	KW	n/a	n/a	VC1992

The QC reported here applies to the following samples: Method: EPA 624

F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

CAS No.	Surrogate Recoveries	MS	MSD	F50631-1	Limits
1868-53-7	Dibromofluoromethane	98%	98%	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	98%	101%	76-127%
2037-26-5	Toluene-D8	94%	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	94%	97%	98%	84-120%

GC/MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21259-MB	R09022.D	1	07/03/07	NJ	06/29/07	OP21259	SR425

The QC reported here applies to the following samples: Method: EPA 625

F50631-1, F50631-2, F50631-4, F50631-5, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	36%	14-62%
4165-62-2	Phenol-d5	25%	10-40%
118-79-6	2,4,6-Tribromophenol	67%	33-118%
4165-60-0	Nitrobenzene-d5	60%	42-108%
321-60-8	2-Fluorobiphenyl	58%	40-106%
1718-51-0	Terphenyl-d14	75%	39-121%

Method Blank Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21259-MB	R09062.D	1	07/04/07	NJ	06/29/07	OP21259	SR426

The QC reported here applies to the following samples: Method: EPA 625

F50631-1, F50631-2, F50631-4, F50631-5, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	28%	14-62%
4165-62-2	Phenol-d5	19%	10-40%
118-79-6	2,4,6-Tribromophenol	63%	33-118%
4165-60-0	Nitrobenzene-d5	53%	42-108%
321-60-8	2-Fluorobiphenyl	57%	40-106%
1718-51-0	Terphenyl-d14	74%	39-121%

Blank Spike Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21259-BS	R09021.D	1	07/03/07	NJ	06/29/07	OP21259	SR425

The QC reported here applies to the following samples: Method: EPA 625

F50631-1, F50631-2, F50631-4, F50631-5, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	38.6	77	58-106
208-96-8	Acenaphthylene	50	38.0	76	58-105
120-12-7	Anthracene	50	40.7	81	65-108
56-55-3	Benzo(a)anthracene	50	38.3	77	63-111
50-32-8	Benzo(a)pyrene	50	41.1	82	62-106
205-99-2	Benzo(b)fluoranthene	50	41.1	82	63-109
191-24-2	Benzo(g,h,i)perylene	50	44.7	89	61-111
207-08-9	Benzo(k)fluoranthene	50	41.4	83	64-111
218-01-9	Chrysene	50	38.9	78	64-111
53-70-3	Dibenzo(a,h)anthracene	50	42.3	85	62-112
206-44-0	Fluoranthene	50	41.7	83	65-114
86-73-7	Fluorene	50	39.0	78	61-106
193-39-5	Indeno(1,2,3-cd)pyrene	50	42.6	85	61-113
90-12-0	1-Methylnaphthalene	50	35.4	71	52-102
91-57-6	2-Methylnaphthalene	50	36.4	73	56-112
91-20-3	Naphthalene	50	34.9	70	50-104
85-01-8	Phenanthrene	50	40.7	81	65-108
129-00-0	Pyrene	50	39.6	79	60-113

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	31%	14-62%
4165-62-2	Phenol-d5	19%	10-40%
118-79-6	2,4,6-Tribromophenol	75%	33-118%
4165-60-0	Nitrobenzene-d5	72%	42-108%
321-60-8	2-Fluorobiphenyl	70%	40-106%
1718-51-0	Terphenyl-d14	74%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F50631
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21259-MS	R09031.D	1	07/04/07	NJ	06/29/07	OP21259	SR425
OP21259-MSD	R09032.D	1	07/04/07	NJ	06/29/07	OP21259	SR425
F50631-10	R09030.D	1	07/03/07	NJ	06/29/07	OP21259	SR425

The QC reported here applies to the following samples: Method: EPA 625

F50631-1, F50631-2, F50631-4, F50631-5, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

CAS No.	Compound	F50631-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		96.2	82.4	86	76.5	80	7	58-106/21
208-96-8	Acenaphthylene	ND		96.2	80.7	84	75.2	78	7	58-105/21
120-12-7	Anthracene	ND		96.2	88.0	92	79.1	82	11	65-108/19
56-55-3	Benzo(a)anthracene	ND		96.2	81.6	85	73.1	76	11	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	89.1	93	79.8	83	11	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	86.2	90	78.6	82	9	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	95.8	100	87.5	91	9	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	85.5	89	78.0	81	9	64-111/20
218-01-9	Chrysene	ND		96.2	83.3	87	75.4	78	10	64-111/19
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	90.5	94	81.9	85	10	62-112/20
206-44-0	Fluoranthene	ND		96.2	92.7	96	81.2	84	13	65-114/21
86-73-7	Fluorene	ND		96.2	82.9	86	76.7	80	8	61-106/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	93.2	97	83.6	87	11	61-113/20
90-12-0	1-Methylnaphthalene	ND		96.2	78.2	81	72.1	75	8	52-102/25
91-57-6	2-Methylnaphthalene	ND		96.2	76.0	79	73.8	77	3	56-112/26
91-20-3	Naphthalene	ND		96.2	76.2	79	72.2	75	5	50-104/28
85-01-8	Phenanthrene	ND		96.2	86.7	90	78.0	81	11	65-108/20
129-00-0	Pyrene	ND		96.2	79.5	83	74.1	77	7	60-113/20

CAS No.	Surrogate Recoveries	MS	MSD	F50631-10	Limits
367-12-4	2-Fluorophenol	52%	53%		14-62%
4165-62-2	Phenol-d5	41%*	42%*		10-40%
118-79-6	2,4,6-Tribromophenol	79%	75%		33-118%
4165-60-0	Nitrobenzene-d5	76%	76%	75%	42-108%
321-60-8	2-Fluorobiphenyl	73%	72%	69%	40-106%
1718-51-0	Terphenyl-d14	74%	71%	68%	39-121%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F50631
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP12345
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/26/07

Metal	RL	IDL	MB raw	final
Aluminum	200	18		
Antimony	6.0	3.4		
Arsenic	10	2.8		
Barium	200	5		
Beryllium	4.0	1		
Cadmium	5.0	1		
Calcium	1000	42		
Chromium	10	.6		
Cobalt	50	1		
Copper	25	.9		
Iron	300	12		
Lead	5.0	1.7	0.90	<5.0
Magnesium	5000	4.3		
Manganese	15	.6		
Molybdenum	50	1.3		
Nickel	40	1		
Potassium	10000	10		
Selenium	10	2		
Silver	10	.9		
Sodium	10000	500		
Thallium	10	2.3		
Tin	50	3.1		
Vanadium	50	.6		
Zinc	20	1.3		

Associated samples MP12345: F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F50631
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP12345
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/26/07 06/26/07

Metal	F50631-1 Original	DUP	RPD	QC Limits	F50631-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	6.7	6.4	4.6	0-20	6.7	489	500	96.5	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP12345: F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F50631
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP12345
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/26/07

Metal	F50631-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	6.7	513	500	101.3	4.8	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP12345: F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F50631
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP12345
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/26/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	493	500	98.6	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12345: F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F50631
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP12345
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/26/07

Metal	F50631-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	6.69	12.6	87.9 (a)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12345: F50631-1, F50631-2, F50631-3, F50631-4, F50631-5, F50631-6, F50631-7, F50631-8, F50631-9, F50631-10, F50631-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

07/10/07

Technical Report for

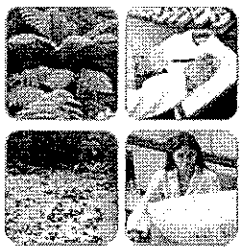
Shaw E & I, Inc.

Camp Lejeune-AS-4158

125709

Accutest Job Number: F50727

Sampling Date: 06/28/07



Report to:

Shaw E & I, Inc.
500 E. Main Street Suite 1630
Norfolk, VA 23510
natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 13

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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Client Service contact: Heather Wandrey 407-425-6700

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

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

Shaw E & I, Inc.

Job No: F50727

Camp Lejeune-AS-4158
Project No: 125709

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F50727-1	06/28/07	14:00	MM	06/29/07	AQ	Ground Water	USTAS4158-MW08
F50727-2	06/28/07	14:45	MM	06/29/07	AQ	Ground Water	USTAS4158-MW11

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW08		
Lab Sample ID:	F50727-1	**Date Sampled:**	06/28/07
Matrix:	AQ - Ground Water	**Date Received:**	06/29/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U003303.D	1	07/07/07	NJ	07/05/07	OP21334	SU160
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ng/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	62%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-MW11		
Lab Sample ID:	F50727-2	**Date Sampled:**	06/28/07
Matrix:	AQ - Ground Water	**Date Received:**	06/29/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U003304.D	1	07/07/07	NJ	07/05/07	OP21334	SU160
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%		42-108%
321-60-8	2-Fluorobiphenyl	64%		40-106%
1718-51-0	Terphenyl-d14	68%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:
125709USTAS4158-062807

F50727

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 -AS-4158	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
125709	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Joe Colella		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	601/602	625 SVOCs for PAH	3030C Lead	Analysis Desired
1	USTAS4158-MW08	6/28/07	14:00		X	AS4158-MW08	2		X		
2	USTAS4158-MW11	6/28/07	14:45		X	AS4158-MW11	2		X		
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 – 2	[signature]	FedEx 8542 8325 7189	6/28/07	16:00	14 DAY TAT
2		FX	Joany Babilonia (NUSE)	6/29/07	0900	
3						

2.0°

F50727: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES
F50727

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F50727 CLIENT: SHAW E & I PROJECT: CAMP LEJEUNE, NC

DATE/TIME RECEIVED: 6/29/07 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0°C

METHOD OF DELIVERY: [FEDEX] UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8542 8325 7189

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE JB 6/29/07 TECHNICIAN SIGNATURE/DATE [signature] 6/29/07 ASBD 10/03/06

3.1 3

F50727: Chain of Custody
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4

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: F50727
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21334-MB	U003302.D	1	07/07/07	NJ	07/05/07	OP21334	SU160

The QC reported here applies to the following samples: Method: EPA 625

F50727-1, F50727-2

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthraceue	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Beuzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluorantheue	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Iudeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthaleue	ND	5.0	1.0	ug/l	
85-01-8	Phenanthreue	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobeuzeue-d5	69%	42-108%
321-60-8	2-Fluorobiphenyl	68%	40-106%
1718-51-0	Terphenyl-d14	76%	39-121%

Blank Spike Summary

Job Number: F50727
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21334-BS	U003301.D	1	07/07/07	NJ	07/05/07	OP21334	SU160

4.2

The QC reported here applies to the following samples: Method: EPA 625

F50727-1, F50727-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	42.1	84	58-106
208-96-8	Acenaphthylene	50	42.0	84	58-105
120-12-7	Anthracene	50	44.1	88	65-108
56-55-3	Benzo(a)anthracene	50	43.0	86	63-111
50-32-8	Benzo(a)pyrene	50	43.5	87	62-106
205-99-2	Benzo(b)fluoranthene	50	43.4	87	63-109
191-24-2	Benzo(g,h,i)perylene	50	43.3	87	61-111
207-08-9	Benzo(k)fluoranthene	50	43.7	87	64-111
218-01-9	Chrysene	50	43.4	87	64-111
53-70-3	Dibenzo(a,h)anthracene	50	42.5	85	62-112
206-44-0	Fluoranthene	50	45.0	90	65-114
86-73-7	Fluorene	50	42.2	84	61-106
193-39-5	Indeno(1,2,3-cd)pyrene	50	43.6	87	61-113
90-12-0	1-Methylnaphthalene	50	40.6	81	52-102
91-57-6	2-Methylnaphthalene	50	42.2	84	56-112
91-20-3	Naphthalene	50	40.5	81	50-104
85-01-8	Phenanthrene	50	43.5	87	65-108
129-00-0	Pyrene	50	43.5	87	60-113

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	78%	42-108%
321-60-8	2-Fluorobiphenyl	80%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F50727
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21334-MS	U003305.D	1	07/07/07	NJ	07/05/07	OP21334	SU160
OP21334-MSD	U003306.D	1	07/07/07	NJ	07/05/07	OP21334	SU160
F50727-2	U003304.D	1	07/07/07	NJ	07/05/07	OP21334	SU160

The QC reported here applies to the following samples: Method: EPA 625

F50727-1, F50727-2

CAS No.	Compound	F50727-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		96.2	75.5	79	81.1	84	7	58-106/21
208-96-8	Acenaphthylene	ND		96.2	75.6	79	81.7	85	8	58-105/21
120-12-7	Anthracene	ND		96.2	79.2	82	84.9	88	7	65-108/19
56-55-3	Benzo(a)anthracene	ND		96.2	77.9	81	83.7	87	7	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	78.2	81	84.0	87	7	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	77.0	80	82.6	86	7	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	78.0	81	84.5	88	8	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	81.2	84	86.6	90	6	64-111/20
218-01-9	Chrysene	ND		96.2	78.8	82	83.4	87	6	64-111/19
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	76.8	80	82.8	86	8	62-112/20
206-44-0	Fluoranthene	ND		96.2	82.4	86	86.9	90	5	65-114/21
86-73-7	Fluorene	ND		96.2	76.7	80	81.9	85	7	61-106/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	77.7	81	84.8	88	9	61-113/20
90-12-0	1-Methylnaphthalene	ND		96.2	73.0	76	78.9	82	8	52-102/25
91-57-6	2-Methylnaphthalene	ND		96.2	75.1	78	81.6	85	8	56-112/26
91-20-3	Naphthalene	ND		96.2	73.0	76	79.0	82	8	50-104/28
85-01-8	Phenanthrene	ND		96.2	78.4	82	83.7	87	7	65-108/20
129-00-0	Pyrene	ND		96.2	77.6	81	83.9	87	8	60-113/20

CAS No.	Surrogate Recoveries	MS	MSD	F50727-2	Limits
4165-60-0	Nitrobenzene-d5	71%	79%	63%	42-108%
321-60-8	2-Fluorobiphenyl	74%	81%	64%	40-106%
1718-51-0	Terphenyl-d14	76%	76%	68%	39-121%

Southeast ACCUTEST. Laboratories

IT'S ALL IN THE CHEMISTRY

11/01/07

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-AS-4158

125709

Accutest Job Number: F53161

Sampling Date: 10/09/07

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **81**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Heather Wandrey 407-425-6700

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

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Test results relate only to samples analyzed.

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Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW01		
Lab Sample ID:	F53161-1	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J033372.D	1	10/17/07	KW	n/a	n/a	VJ2258
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.39	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW01		
Lab Sample ID:	F53161-1	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW01		
Lab Sample ID:	F53161-1	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005408.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.0	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	1.1	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	66%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW01		
Lab Sample ID:	F53161-1	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	9.4	5.0	2.1	ug/l	1	10/23/07	10/23/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6067
(2) Prep QC Batch: MP13207

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW07		
Lab Sample ID:	F53161-2	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J033373.D	1	10/17/07	KW	n/a	n/a	VJ2258
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW07		
Lab Sample ID:	F53161-2	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW07		
Lab Sample ID:	F53161-2	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005409.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.0	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	1.1	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	74%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW07		
Lab Sample ID:	F53161-2	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	67.3	5.0	2.1	ug/l	1	10/23/07	10/23/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6067
(2) Prep QC Batch: MP13207

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW08		
Lab Sample ID:	F53161-3	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J033374.D	1	10/18/07	KW	n/a	n/a	VJ2258
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW08		
Lab Sample ID:	F53161-3	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW08		
Lab Sample ID:	F53161-3	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005412.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.0	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	1.1	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	72%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW08		
Lab Sample ID:	F53161-3	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	3.8 B	5.0	2.1	ug/l	1	10/23/07	10/23/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6067
(2) Prep QC Batch: MP13207

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW09		
Lab Sample ID:	F53161-4	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F024244.D	1	10/23/07	KW	n/a	n/a	VF484
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	8.0	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.37	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW09		
Lab Sample ID:	F53161-4	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	4.6	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW09		
Lab Sample ID:	F53161-4	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	U005414.D	4	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	19	5.4	ug/l	
208-96-8	Acenaphthylene	ND	19	4.3	ug/l	
120-12-7	Anthracene	ND	19	3.9	ug/l	
56-55-3	Benzo(a)anthracene	ND	19	3.9	ug/l	
50-32-8	Benzo(a)pyrene	ND	19	3.9	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	19	3.9	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	19	3.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	19	3.9	ug/l	
218-01-9	Chrysene	ND	19	3.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	19	3.9	ug/l	
206-44-0	Fluoranthene	ND	19	3.9	ug/l	
86-73-7	Fluorene	ND	19	4.7	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	19	3.9	ug/l	
90-12-0	1-Methylnaphthalene	ND	19	5.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	19	3.9	ug/l	
91-20-3	Naphthalene	ND	19	4.7	ug/l	
85-01-8	Phenanthrene	ND	19	3.9	ug/l	
129-00-0	Pyrene	ND	19	3.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	73%		39-121%

(a) Dilution required due to matrix interference.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW09		
Lab Sample ID:	F53161-4	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	21 U	50	21	ug/l	1	10/23/07	10/23/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6067
(2) Prep QC Batch: MP13207

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW10		
Lab Sample ID:	F53161-5	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F024242.D	1	10/23/07	KW	n/a	n/a	VF484
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW10		
Lab Sample ID:	F53161-5	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW10		
Lab Sample ID:	F53161-5	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005415.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.0	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	1.1	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		42-108%
321-60-8	2-Fluorobiphenyl	61%		40-106%
1718-51-0	Terphenyl-d14	66%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW10		
Lab Sample ID:	F53161-5	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	6.6	5.0	2.1	ug/l	1	10/23/07	10/23/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6067
(2) Prep QC Batch: MP13207

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW11		
Lab Sample ID:	F53161-6	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F024243.D	1	10/23/07	KW	n/a	n/a	VF484
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	5.5	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	20.4	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.34	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW11		
Lab Sample ID:	F53161-6	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW11		
Lab Sample ID:	F53161-6	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005416.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
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	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.1	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	80%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW11		
Lab Sample ID:	F53161-6	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.1 U	5.0	2.1	ug/l	1	10/23/07	10/23/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6067
(2) Prep QC Batch: MP13207

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW13		
Lab Sample ID:	F53161-7	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F024241.D	1	10/23/07	KW	n/a	n/a	VF484
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	57.7	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW13		
Lab Sample ID:	F53161-7	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW13		
Lab Sample ID:	F53161-7	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005417.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.0	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	1.1	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		42-108%
321-60-8	2-Fluorobiphenyl	76%		40-106%
1718-51-0	Terphenyl-d14	84%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW13		
Lab Sample ID:	F53161-7	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	6.7	5.0	2.1	ug/l	1	10/23/07	10/23/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6067
(2) Prep QC Batch: MP13207

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW14		
Lab Sample ID:	F53161-8	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F024245.D	1	10/23/07	KW	n/a	n/a	VF484
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.47	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW14		
Lab Sample ID:	F53161-8	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW14		
Lab Sample ID:	F53161-8	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005418.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.0	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	1.1	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	78%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW14		
Lab Sample ID:	F53161-8	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	17.6	5.0	2.1	ug/l	1	10/23/07	10/23/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6067
(2) Prep QC Batch: MP13207

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW15		
Lab Sample ID:	F53161-9	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F024246.D	1	10/23/07	KW	n/a	n/a	VF484
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.23	1.0	0.20	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.48	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW15		
Lab Sample ID:	F53161-9	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	88%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW15		
Lab Sample ID:	F53161-9	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005419.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	66%		40-106%
1718-51-0	Terphenyl-d14	74%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW15		
Lab Sample ID:	F53161-9	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	7.0	5.0	2.1	ug/l	1	10/23/07	10/23/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6067
(2) Prep QC Batch: MP13207

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW17		
Lab Sample ID:	F53161-10	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F024247.D	1	10/23/07	KW	n/a	n/a	VF484
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW17		
Lab Sample ID:	F53161-10	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW17		
Lab Sample ID:	F53161-10	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005420.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		42-108%
321-60-8	2-Fluorobiphenyl	78%		40-106%
1718-51-0	Terphenyl-d14	82%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW17		
Lab Sample ID:	F53161-10	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.1 U	5.0	2.1	ug/l	1	10/24/07	10/24/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6071
(2) Prep QC Batch: MP13217

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW07D		
Lab Sample ID:	F53161-11	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F024248.D	1	10/23/07	KW	n/a	n/a	VF484
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW07D		
Lab Sample ID:	F53161-11	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW07D		
Lab Sample ID:	F53161-11	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U005421.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	85%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTAS4158-158-MW07D		
Lab Sample ID:	F53161-11	**Date Sampled:**	10/09/07
Matrix:	AQ - Ground Water	**Date Received:**	10/11/07
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.1 U	5.0	2.1	ug/l	1	10/24/07	10/24/07	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA6071
(2) Prep QC Batch: MP13217

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	AS4158-TB-062307		
Lab Sample ID:	F53161-12	**Date Sampled:**	10/09/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J033371.D	1	10/17/07	KW	n/a	n/a	VJ2258
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	AS4158-TB-062307		
Lab Sample ID:	F53161-12	**Date Sampled:**	10/09/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/11/07
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

COC Number:
125709-USTAS4158-100807

Shaw
Shaw Environmental & Infrastructure, Inc.

CHAIN-OF-CUSTODY RECORD

F53161

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

Receiving LAB:Accutest

Project Name	Project Location		
CAMP LEJEUNE -AS-4158	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
125709	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Joe Colella		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: 601/602	625 SVOCs for PAH	3030C Lead
1	USTAS4158-MW01	10/9/07	11:30		X	AS4158-MW01	6	X	X	X
2	USTAS4158-MW07	10/9/07	10:30		X	AS4158-MW07	6	X	X	X
3	USTAS4158-MW08	10/9/07	11:30		X	AS4158-MW08	6	X	X	X
4	USTAS4158-MW09	10/9/07	12:00		X	AS4158-MW09	6	X	X	X
5	USTAS4158-MW10	10/9/07	9:30		X	AS4158-MW10	6	X	X	X
6	USTAS4158-MW11	10/9/07	13:30		X	AS4158-MW11	6	X	X	X
7	USTAS4158-MW13	10/9/07	14:30		X	AS4158-MW13	6	X	X	X
8	USTAS4158-MW14	10/9/07	8:30		X	AS4158-MW14	6	X	X	X
9	USTAS4158-MW15	10/9/07	7:30		X	AS4158-MW15	6	X	X	X
10	USTAS4158-MW17	10/9/07	15:30		X	AS4158-MW17	6	X	X	X
11	USTAS4158-MW07D	10/9/07	15:30		X	AS4158-MW17 Dup	6	X	X	X
12	AS4158-TB-062307	10/9/07			X	Trip Blank	2	X		

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 12		FedEx 8619 1476 4884	10/10/07	16:00	**14 DAY TAT**
2		FX	J. Utz	10/11/07	0900	FedEx 8619 1476 4884, 8619 1827 5622, 8619 1827 5644
3						

1.8, 2.0, 2.4

F53161: Chain of Custody
Page 1 of 2

ACCUTEST
F53161

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F53161 CLIENT: SHAW PROJECT: Camp Lejeune AS 4158

DATE/TIME RECEIVED: 10/4/07 0900 # OF COOLERS RECEIVED: 3 COOLER TEMPS: 1.8, 2.0, 2.4

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

AIRBILL NUMBERS: _____

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [X] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø.

SUMMARY OF COMMENTS: Recived 1 amber bottle broken for Samples 7 (USTAS-4158-MW13 1430); 8 (USTAS-4158-MW14, 830); 9 (USTAS-4158-MW15, 730). Sample ID & COC Reads USTAS-4158-MW07D, 1530; Label read USTAS-4158-MW17D, 1530

TECHNICIAN SIGNATURE/DATE J. Otte 10/4/07 TECHNICIAN SIGNATURE/DATE [illegible] 10-11-07 ASBD 10/03/06

F53161: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2258-MB	J033365.D	1	10/17/07	KW	n/a	n/a	VJ2258

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-1, F53161-2, F53161-3, F53161-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	2.8	5.0	1.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2258-MB	J033365.D	1	10/17/07	KW	n/a	n/a	VJ2258

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-1, F53161-2, F53161-3, F53161-12

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF484-MB	F024240.D	1	10/23/07	KW	n/a	n/a	VF484

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9, F53161-10, F53161-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	3.1	5.0	1.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF484-MB	F024240.D	1	10/23/07	KW	n/a	n/a	VF484

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9, F53161-10, F53161-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2258-BS	J033364.D	1	10/17/07	KW	n/a	n/a	VJ2258

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-1, F53161-2, F53161-3, F53161-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.3	105	83-124
75-27-4	Bromodichloromethane	25	24.2	97	76-116
75-25-2	Bromoform	25	23.4	94	68-128
108-90-7	Chlorobenzene	25	26.7	107	87-115
75-00-3	Chloroethane	25	27.7	111	54-166
67-66-3	Chloroform	25	25.8	103	85-123
110-75-8	2-Chloroethyl vinyl ether	125	129	103	63-125
56-23-5	Carbon tetrachloride	25	23.5	94	74-139
75-34-3	1,1-Dichloroethane	25	26.7	107	82-127
75-35-4	1,1-Dichloroethylene	25	27.6	110	75-133
107-06-2	1,2-Dichloroethane	25	24.3	97	76-122
78-87-5	1,2-Dichloropropane	25	26.3	105	81-120
124-48-1	Dibromochloromethane	25	24.1	96	74-116
75-71-8	Dichlorodifluoromethane	25	30.9	124	34-158
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.7	103	83-119
541-73-1	m-Dichlorobenzene	25	26.2	105	86-115
95-50-1	o-Dichlorobenzene	25	26.1	104	85-115
106-46-7	p-Dichlorobenzene	25	26.0	104	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.1	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.1	108	87-123
100-41-4	Ethylbenzene	25	26.8	107	87-118
74-83-9	Methyl bromide	25	27.1	108	55-151
74-87-3	Methyl chloride	25	27.6	110	55-173
75-09-2	Methylene chloride	25	25.2	101	69-125
1634-04-4	Methyl Tert Butyl Ether	25	22.8	91	75-116
71-55-6	1,1,1-Trichloroethane	25	25.9	104	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.4	102	71-120
79-00-5	1,1,2-Trichloroethane	25	25.4	102	80-114
127-18-4	Tetrachloroethylene	25	26.2	105	80-131
108-88-3	Toluene	25	26.8	107	86-116
79-01-6	Trichloroethylene	25	27.4	110	85-124
75-69-4	Trichlorofluoromethane	25	29.8	119	66-156
75-01-4	Vinyl chloride	25	29.8	119	57-153
1330-20-7	Xylene (total)	75	79.9	107	86-120

Blank Spike Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2258-BS	J033364.D	1	10/17/07	KW	n/a	n/a	VJ2258

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-1, F53161-2, F53161-3, F53161-12

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF484-BS	F024239.D	1	10/23/07	KW	n/a	n/a	VF484

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9, F53161-10, F53161-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.0	100	83-124
75-27-4	Bromodichloromethane	25	23.4	94	76-116
75-25-2	Bromoform	25	25.4	102	68-128
108-90-7	Chlorobenzene	25	25.2	101	87-115
75-00-3	Chloroethane	25	30.5	122	54-166
67-66-3	Chloroform	25	24.2	97	85-123
110-75-8	2-Chloroethyl vinyl ether	125	119	95	63-125
56-23-5	Carbon tetrachloride	25	25.2	101	74-139
75-34-3	1,1-Dichloroethane	25	25.2	101	82-127
75-35-4	1,1-Dichloroethylene	25	23.9	96	75-133
107-06-2	1,2-Dichloroethane	25	22.6	90	76-122
78-87-5	1,2-Dichloropropane	25	25.3	101	81-120
124-48-1	Dibromochloromethane	25	24.2	97	74-116
75-71-8	Dichlorodifluoromethane	25	43.9	176*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	23.9	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.9	100	83-119
541-73-1	m-Dichlorobenzene	25	25.5	102	86-115
95-50-1	o-Dichlorobenzene	25	25.5	102	85-115
106-46-7	p-Dichlorobenzene	25	25.1	100	87-113
156-60-5	trans-1,2-Dichloroethylene	25	24.1	96	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.1	100	87-123
100-41-4	Ethylbenzene	25	24.8	99	87-118
74-83-9	Methyl bromide	25	23.0	92	55-151
74-87-3	Methyl chloride	25	31.2	125	55-173
75-09-2	Methylene chloride	25	22.6	90	69-125
1634-04-4	Methyl Tert Butyl Ether	25	21.6	86	75-116
71-55-6	1,1,1-Trichloroethane	25	24.8	99	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.1	96	71-120
79-00-5	1,1,2-Trichloroethane	25	24.9	100	80-114
127-18-4	Tetrachloroethylene	25	27.1	108	80-131
108-88-3	Toluene	25	25.7	103	86-116
79-01-6	Trichloroethylene	25	26.1	104	85-124
75-69-4	Trichlorofluoromethane	25	31.2	125	66-156
75-01-4	Vinyl chloride	25	30.4	122	57-153
1330-20-7	Xylene (total)	75	75.3	100	86-120

Blank Spike Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF484-BS	F024239.D	1	10/23/07	KW	n/a	n/a	VF484

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9, F53161-10, F53161-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F53233-1MS	J033367.D	20	10/17/07	KW	n/a	n/a	VJ2258
F53233-1MSD	J033368.D	20	10/17/07	KW	n/a	n/a	VJ2258
F53233-1 [a]	J033366.D	20	10/17/07	KW	n/a	n/a	VJ2258

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-1, F53161-2, F53161-3, F53161-12

CAS No.	Compound	F53233-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	10.6	I	500	528	103	511	100	3	83-124/11
75-27-4	Bromodichloromethane	20 U		500	496	99	491	98	1	76-116/10
75-25-2	Bromoform	20 U		500	501	100	482	96	4	68-128/11
108-90-7	Chlorobenzene	20 U		500	527	105	515	103	2	87-115/9
75-00-3	Chloroethane	40 U		500	668	134	690	138	3	54-166/20
67-66-3	Chloroform	20 U		500	530	106	514	103	3	85-123/10
110-75-8	2-Chloroethyl vinyl ether	100 U		2500	82.4	3*	61.1	2*	30*	63-125/24
56-23-5	Carbon tetrachloride	20 U		500	494	99	501	100	1	74-139/13
75-34-3	1,1-Dichloroethane	20 U		500	537	107	527	105	2	82-127/10
75-35-4	1,1-Dichloroethylene	20 U		500	568	114	576	115	1	75-133/13
107-06-2	1,2-Dichloroethane	20 U		500	506	101	506	101	0	76-122/11
78-87-5	1,2-Dichloropropane	20 U		500	520	104	516	103	1	81-120/11
124-48-1	Dibromochloromethane	20 U		500	490	98	486	97	1	74-116/11
75-71-8	Dichlorodifluoromethane	40 U		500	650	130	652	130	0	34-158/22
156-59-2	cis-1,2-Dichloroethylene	20 U		500	494	99	488	98	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	20 U		500	505	101	499	100	1	83-119/10
541-73-1	m-Dichlorobenzene	20 U		500	511	102	504	101	1	86-115/9
95-50-1	o-Dichlorobenzene	20 U		500	498	100	489	98	2	85-115/9
106-46-7	p-Dichlorobenzene	20 U		500	497	99	495	99	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	20 U		500	535	107	532	106	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	20 U		500	535	107	513	103	4	87-123/10
100-41-4	Ethylbenzene	17.8	I	500	531	103	520	100	2	87-118/10
74-83-9	Methyl bromide	40 U		500	594	119	593	119	0	55-151/21
74-87-3	Methyl chloride	40 U		500	589	118	589	118	0	55-173/22
75-09-2	Methylene chloride	64.1	I	500	540	95	538	95	0	69-125/11
1634-04-4	Methyl Tert Butyl Ether	20 U		500	480	96	471	94	2	75-116/10
71-55-6	1,1,1-Trichloroethane	20 U		500	560	112	549	110	2	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	20 U		500	488	98	462	92	5	71-120/11
79-00-5	1,1,2-Trichloroethane	20 U		500	586	117*	564	113	4	80-114/11
127-18-4	Tetrachloroethylene	20 U		500	546	109	550	110	1	80-131/12
108-88-3	Toluene	25.5		500	550	105	532	101	3	86-116/10
79-01-6	Trichloroethylene	20 U		500	537	107	524	105	2	85-124/10
75-69-4	Trichlorofluoromethane	40 U		500	637	127	630	126	1	66-156/15
75-01-4	Vinyl chloride	20 U		500	620	124	621	124	0	57-153/22
1330-20-7	Xylene (total)	342		1500	1860	101	1810	98	3	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F53233-1MS	J033367.D	20	10/17/07	KW	n/a	n/a	VJ2258
F53233-1MSD	J033368.D	20	10/17/07	KW	n/a	n/a	VJ2258
F53233-1 [a]	J033366.D	20	10/17/07	KW	n/a	n/a	VJ2258

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-1, F53161-2, F53161-3, F53161-12

CAS No.	Surrogate Recoveries	MS	MSD	F53233-1	Limits
1868-53-7	Dibromofluoromethane	101%	102%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	102%	94%	76-127%
2037-26-5	Toluene-D8	98%	97%	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	95%	102%	84-120%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F53304-8MS	F024250.D	1	10/23/07	KW	n/a	n/a	VF484
F53304-8MSD	F024251.D	1	10/23/07	KW	n/a	n/a	VF484
F53304-8	F024249.D	1	10/23/07	KW	n/a	n/a	VF484

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9, F53161-10, F53161-11

CAS No.	Compound	F53304-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	24.5	98	24.2	97	1	83-124/11
75-27-4	Bromodichloromethane	ND		25	24.1	96	23.9	96	1	76-116/10
75-25-2	Bromoform	ND		25	27.2	109	26.9	108	1	68-128/11
108-90-7	Chlorobenzene	ND		25	25.7	103	25.7	103	0	87-115/9
75-00-3	Chloroethane	ND		25	24.4	98	26.1	104	7	54-166/20
67-66-3	Chloroform	0.42	J	25	24.9	98	24.6	97	1	85-123/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
56-23-5	Carbon tetrachloride	ND		25	25.2	101	25.3	101	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	23.9	96	24.5	98	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	18.3	73*	22.5	90	21*	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	23.4	94	23.0	92	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.1	100	24.7	99	2	81-120/11
124-48-1	Dibromochloromethane	ND		25	25.1	100	25.1	100	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	42.1	168*	43.4	174*	3	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	23.2	93	23.1	92	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.5	102	25.3	101	1	83-119/10
541-73-1	m-Dichlorobenzene	ND		25	26.2	105	26.4	106	1	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	26.3	105	26.2	105	0	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	25.7	103	25.8	103	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	22.5	90	23.3	93	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.5	102	25.5	102	0	87-123/10
100-41-4	Ethylbenzene	ND		25	25.3	101	25.5	102	1	87-118/10
74-83-9	Methyl bromide	ND		25	22.2	89	20.4	82	8	55-151/21
74-87-3	Methyl chloride	ND		25	26.5	106	27.7	111	4	55-173/22
75-09-2	Methylene chloride	ND		25	16.1	64*	16.5	66*	2	69-125/11
1634-04-4	Methyl Tert Butyl Ether	ND		25	18.9	76	23.0	92	20*	75-116/10
71-55-6	1,1,1-Trichloroethane	ND		25	24.4	98	25.6	102	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	27.8	111	27.5	110	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.5	98	25.6	102	4	80-114/11
127-18-4	Tetrachloroethylene	ND		25	26.3	105	26.7	107	2	80-131/12
108-88-3	Toluene	ND		25	25.3	101	25.7	103	2	86-116/10
79-01-6	Trichloroethylene	ND		25	24.8	99	24.6	98	1	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	26.3	105	30.5	122	15	66-156/15
75-01-4	Vinyl chloride	ND		25	25.9	104	28.0	112	8	57-153/22
1330-20-7	Xylene (total)	ND		75	77.6	103	77.2	103	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F53304-8MS	F024250.D	1	10/23/07	KW	n/a	n/a	VF484
F53304-8MSD	F024251.D	1	10/23/07	KW	n/a	n/a	VF484
F53304-8	F024249.D	1	10/23/07	KW	n/a	n/a	VF484

The QC reported here applies to the following samples: **Method:** EPA 624

F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9, F53161-10, F53161-11

CAS No.	Surrogate Recoveries	MS	MSD	F53304-8	Limits
1868-53-7	Dibromofluoromethane	97%	97%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	98%	96%	76-127%
2037-26-5	Toluene-D8	99%	99%	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	101%	102%	84-120%

GC/MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22780-MB	U005405.D	1	10/17/07	NJ	10/15/07	OP22780	SU251

The QC reported here applies to the following samples: **Method:** EPA 625

F53161-1, F53161-2, F53161-3, F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9, F53161-10, F53161-11

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.1	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	71%	42-108%
321-60-8	2-Fluorobiphenyl	70%	40-106%
1718-51-0	Terphenyl-d14	78%	39-121%

Blank Spike Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22780-BS	U005404.D	1	10/17/07	NJ	10/15/07	OP22780	SU251

The QC reported here applies to the following samples: **Method:** EPA 625

F53161-1, F53161-2, F53161-3, F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9, F53161-10, F53161-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	43.3	87	58-106
208-96-8	Acenaphthylene	50	43.5	87	58-105
120-12-7	Anthracene	50	44.3	89	65-108
56-55-3	Benzo(a)anthracene	50	44.7	89	63-111
50-32-8	Benzo(a)pyrene	50	44.4	89	62-106
205-99-2	Benzo(b)fluoranthene	50	45.9	92	63-109
191-24-2	Benzo(g,h,i)perylene	50	45.8	92	61-111
207-08-9	Benzo(k)fluoranthene	50	43.2	86	64-111
218-01-9	Chrysene	50	44.5	89	64-111
53-70-3	Dibenzo(a,h)anthracene	50	46.6	93	62-112
206-44-0	Fluoranthene	50	46.4	93	65-114
86-73-7	Fluorene	50	44.1	88	61-106
193-39-5	Indeno(1,2,3-cd)pyrene	50	48.4	97	61-113
90-12-0	1-Methylnaphthalene	50	43.7	87	52-102
91-57-6	2-Methylnaphthalene	50	43.3	87	56-112
91-20-3	Naphthalene	50	41.6	83	50-104
85-01-8	Phenanthrene	50	43.8	88	65-108
129-00-0	Pyrene	50	44.4	89	60-113

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	79%	42-108%
321-60-8	2-Fluorobiphenyl	76%	40-106%
1718-51-0	Terphenyl-d14	83%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F53161
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22780-MS	U005410.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
OP22780-MSD	U005411.D	1	10/17/07	NJ	10/15/07	OP22780	SU251
F53161-2	U005409.D	1	10/17/07	NJ	10/15/07	OP22780	SU251

The QC reported here applies to the following samples: **Method:** EPA 625

F53161-1, F53161-2, F53161-3, F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9, F53161-10, F53161-11

CAS No.	Compound	F53161-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		96.2	72.7	76	81.4	85	11	58-106/21
208-96-8	Acenaphthylene	ND		96.2	73.2	76	80.7	84	10	58-105/21
120-12-7	Anthracene	ND		96.2	78.8	82	85.5	89	8	65-108/19
56-55-3	Benzo(a)anthracene	ND		96.2	79.3	82	86.6	90	9	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	79.2	82	86.8	90	9	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	78.3	81	87.4	91	11	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	81.5	85	88.6	92	8	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	78.4	82	87.1	91	11	64-111/20
218-01-9	Chrysene	ND		96.2	79.6	83	86.3	90	8	64-111/19
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	81.8	85	89.2	93	9	62-112/20
206-44-0	Fluoranthene	ND		96.2	84.1	87	88.4	92	5	65-114/21
86-73-7	Fluorene	ND		96.2	75.8	79	84.4	88	11	61-106/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	86.0	89	94.6	98	10	61-113/20
90-12-0	1-Methylnaphthalene	ND		96.2	70.0	73	80.1	83	13	52-102/25
91-57-6	2-Methylnaphthalene	ND		96.2	68.3	71	79.0	82	15	56-112/26
91-20-3	Naphthalene	ND		96.2	66.1	69	75.9	79	14	50-104/28
85-01-8	Phenanthrene	ND		96.2	78.7	82	85.7	89	9	65-108/20
129-00-0	Pyrene	ND		96.2	78.2	81	89.1	93	13	60-113/20

CAS No.	Surrogate Recoveries	MS	MSD	F53161-2	Limits
4165-60-0	Nitrobenzene-d5	63%	75%	68%	42-108%
321-60-8	2-Fluorobiphenyl	65%	73%	71%	40-106%
1718-51-0	Terphenyl-d14	71%	80%	74%	39-121%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13207
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/23/07

Metal	RL	IDL	MB raw	final
Aluminum	200	48		
Antimony	6.0	3.3		
Arsenic	10	3.7	anr	
Barium	200	5	anr	
Beryllium	4.0	1		
Cadmium	5.0	1	anr	
Calcium	1000	100		
Chromium	10	.92	anr	
Cobalt	50	1		
Copper	25	1.2		
Iron	300	14		
Lead	5.0	2.1	0.77	<5.0
Magnesium	5000	100		
Manganese	15	1	anr	
Molybdenum	50	1.2		
Nickel	40	1	anr	
Potassium	10000	100		
Selenium	10	4	anr	
Silver	10	.77	anr	
Sodium	10000	500		
Thallium	10	5.6		
Tin	50	2.4		
Vanadium	50	1		
Zinc	20	5	anr	

Associated samples MP13207: F53161-1, F53161-2, F53161-3, F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13207
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/23/07 10/23/07

Metal	F53148-1 Original	DUP	RPD	QC Limits	F53148-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	0.0	2.1	200.0(a)	0-20	0.0	501	500	100.2	80-120
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Thallium									
Tin									
Vanadium									
Zinc	anr								

Associated samples MP13207: F53161-1, F53161-2, F53161-3, F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13207
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/23/07

Metal	F53148-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	0.0	500	500	100.0	0.2	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Thallium						
Tin						
Vanadium						
Zinc	anr					

Associated samples MP13207: F53161-1, F53161-2, F53161-3, F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13207
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/23/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	500	500	100.0	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Thallium				
Tin				
Vanadium				
Zinc	anr			

Associated samples MP13207: F53161-1, F53161-2, F53161-3, F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13207
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/23/07

Metal	F53148-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Thallium				
Tin				
Vanadium				
Zinc	anr			

Associated samples MP13207: F53161-1, F53161-2, F53161-3, F53161-4, F53161-5, F53161-6, F53161-7, F53161-8, F53161-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13217
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/24/07

Metal	RL	IDL	MB raw	final
Aluminum	200	48	anr	
Antimony	6.0	3.3	anr	
Arsenic	10	3.7	anr	
Barium	200	5	anr	
Beryllium	4.0	1	anr	
Cadmium	5.0	1	anr	
Calcium	1000	100	anr	
Chromium	10	.92	anr	
Cobalt	50	1	anr	
Copper	25	1.2	anr	
Iron	300	14	anr	
Lead	5.0	2.1	1.5	<5.0
Magnesium	5000	100	anr	
Manganese	15	1	anr	
Molybdenum	50	1.2		
Nickel	40	1	anr	
Potassium	10000	100	anr	
Selenium	10	4	anr	
Silver	10	.77	anr	
Sodium	10000	500	anr	
Thallium	10	5.6	anr	
Tin	50	2.4		
Vanadium	50	1	anr	
Zinc	20	5	anr	

Associated samples MP13217: F53161-10, F53161-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13217
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/24/07 10/24/07

Metal	F53179-1 Original	DUP	RPD	QC Limits	F53179-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2.3	0.0	200.0(a)	0-20	2.3	493	500	98.1	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

Associated samples MP13217: F53161-10, F53161-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13217
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/24/07

Metal	F53179-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	2.3	507	500	100.9	2.8	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Thallium	anr					
Tin						
Vanadium	anr					
Zinc	anr					

Associated samples MP13217: F53161-10, F53161-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13217
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/24/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	498	500	99.6	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Thallium	anr			
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP13217: F53161-10, F53161-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F53161
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13217
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/24/07

Metal	F53179-1 Original	SDL 1:5	RPD	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	2.32	0.00	100.0(a)	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Thallium	anr			
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP13217: F53161-10, F53161-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

01/18/08

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-AS-4158

125709

Accutest Job Number: F55032

Sampling Dates: 01/09/08 - 01/10/08

Report to:

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Norfolk, VA 23510
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ATTN: Natasha Sullivan

Total number of pages in report: **61**

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

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

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Test results relate only to samples analyzed.

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Sample Summary

Shaw E & I, Inc.

Job No: F55032

Camp Lejeune-AS-4158
Project No: 125709

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F55032-1	01/09/08	14:00 MM	01/11/08	AQ	Ground Water	USTA4158-MW01
F55032-2	01/09/08	13:00 MM	01/11/08	AQ	Ground Water	USTA4158-MW07
F55032-3	01/09/08	15:00 MM	01/11/08	AQ	Ground Water	USTA4158-MW08
F55032-4	01/09/08	12:00 MM	01/11/08	AQ	Ground Water	USTA4158-MW10
F55032-5	01/09/08	16:00 MM	01/11/08	AQ	Ground Water	USTA4158-MW11
F55032-6	01/09/08	17:00 MM	01/11/08	AQ	Ground Water	USTA4158-MW13
F55032-7	01/09/08	11:00 MM	01/11/08	AQ	Ground Water	USTA4158-MW14
F55032-8	01/09/08	10:00 MM	01/11/08	AQ	Ground Water	USTA4158-MW15
F55032-9	01/10/08	09:30 MM	01/11/08	AQ	Ground Water	USTA4158-MW17
F55032-10	01/10/08	00:00 MM	01/11/08	AQ	Trip Blank Water	USTA4158-TB-062307

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW01		
Lab Sample ID:	F55032-1	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023882.D	1	01/15/08	MM	n/a	n/a	VN1016
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.23	1.0	0.20	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.29	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW01		
Lab Sample ID:	F55032-1	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ng/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW01		
Lab Sample ID:	F55032-1	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U006264.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ng/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		42-108%
321-60-8	2-Fluorobiphenyl	64%		40-106%
1718-51-0	Terphenyl-d14	70%		39-121%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW01		
Lab Sample ID:	F55032-1	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	28.0	5.0	2.1	ug/l	1	01/11/08	01/15/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6211
(2) Prep QC Batch: MP13714

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW07		
Lab Sample ID:	F55032-2	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023883.D	1	01/15/08	MM	n/a	n/a	VN1016
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW07		
Lab Sample ID:	F55032-2	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW07		
Lab Sample ID:	F55032-2	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U006265.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	73%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW07		
Lab Sample ID:	F55032-2	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	11.7	5.0	2.1	ug/l	1	01/11/08	01/15/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6211
(2) Prep QC Batch: MP13714

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW08		
Lab Sample ID:	F55032-3	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023884.D	1	01/15/08	MM	n/a	n/a	VN1016
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW08		
Lab Sample ID:	F55032-3	Date Sampled:	01/09/08
Matrix:	AQ - Ground Water	Date Received:	01/11/08
Method:	EPA 624	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW08		
Lab Sample ID:	F55032-3	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U006266.D	I	01/15/08	NJ	01/14/08	OP23764	SU293
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.0	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyreue	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	1.1	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	65%		40-106%
1718-51-0	Terphenyl-d14	82%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW08		
Lab Sample ID:	F55032-3	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.1 U	5.0	2.1	ug/l	1	01/11/08	01/15/08 RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6211
(2) Prep QC Batch: MP13714

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW10		
Lab Sample ID:	F55032-4	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023885.D	1	01/15/08	MM	n/a	n/a	VN1016
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW10		
Lab Sample ID:	F55032-4	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW10		
Lab Sample ID:	F55032-4	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U006267.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		42-108%
321-60-8	2-Fluorobiphenyl	58%		40-106%
1718-51-0	Terphenyl-d14	66%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW10		
Lab Sample ID:	F55032-4	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.6 B	5.0	2.1	ug/l	1	01/11/08	01/15/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6211
(2) Prep QC Batch: MP13714

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW11		
Lab Sample ID:	F55032-5	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023886.D	1	01/15/08	MM	n/a	n/a	VN1016
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	3.6	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	19.2	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW11		
Lab Sample ID:	F55032-5	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW11		
Lab Sample ID:	F55032-5	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U006268.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	83%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW11		
Lab Sample ID:	F55032-5	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	10 U	20	10	ug/l	1	01/11/08	01/15/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6211
(2) Prep QC Batch: MP13714

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW13		
Lab Sample ID:	F55032-6	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023887.D	1	01/15/08	MM	n/a	n/a	VNI016
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	1.9	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethaue	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.37	1.0	0.20	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	84.0	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW13		
Lab Sample ID:	F55032-6	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.80	3.0	0.56	ug/l	J

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW13		
Lab Sample ID:	F55032-6	Date Sampled:	01/09/08
Matrix:	AQ - Ground Water	Date Received:	01/11/08
Method:	EPA 625 EPA 625	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U006271.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	73%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW13		
Lab Sample ID:	F55032-6	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.6 B	5.0	2.1	ug/l	1	01/11/08	01/15/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6211
(2) Prep QC Batch: MP13714

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW14		
Lab Sample ID:	F55032-7	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023888.D	1	01/15/08	MM	n/a	n/a	VN1016
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.25	1.0	0.20	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.60	1.0	0.25	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.37	1.0	0.27	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW14		
Lab Sample ID:	F55032-7	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.73	3.0	0.56	ug/l	J

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW14		
Lab Sample ID:	F55032-7	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U006272.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		42-108%
321-60-8	2-Fluorobiphenyl	58%		40-106%
1718-51-0	Terphenyl-d14	72%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW14		
Lab Sample ID:	F55032-7	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	50.0	5.0	2.1	ug/l	1	01/11/08	01/15/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6211
(2) Prep QC Batch: MP13714

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW15		
Lab Sample ID:	F55032-8	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023891.D	1	01/15/08	MM	n/a	n/a	VN1016
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW15		
Lab Sample ID:	F55032-8	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW15		
Lab Sample ID:	F55032-8	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U006273.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		42-108%
321-60-8	2-Fluorobiphenyl	58%		40-106%
1718-51-0	Terphenyl-d14	69%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW15		
Lab Sample ID:	F55032-8	**Date Sampled:**	01/09/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	5.8	5.0	2.1	ug/l	1	01/11/08	01/15/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6211
(2) Prep QC Batch: MP13714

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW17		
Lab Sample ID:	F55032-9	**Date Sampled:**	01/10/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023892.D	1	01/15/08	MM	n/a	n/a	VN1016
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.6	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW17		
Lab Sample ID:	F55032-9	**Date Sampled:**	01/10/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW17		
Lab Sample ID:	F55032-9	**Date Sampled:**	01/10/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U006274.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ng/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	84%		39-121%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-MW17		
Lab Sample ID:	F55032-9	**Date Sampled:**	01/10/08
Matrix:	AQ - Ground Water	**Date Received:**	01/11/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.1 U	5.0	2.1	ug/l	1	01/11/08	01/15/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6211
(2) Prep QC Batch: MP13714

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-TB-062307		
Lab Sample ID:	F55032-10	**Date Sampled:**	01/10/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0023876.D	1	01/15/08	MM	n/a	n/a	VN1016
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	3.7	5.0	1.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	USTA4158-TB-062307		
Lab Sample ID:	F55032-10	**Date Sampled:**	01/10/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/11/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F55032

COC Number:
125709-USTAS4158-010908

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 -AS-4158	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
125709	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Joe Colella		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: 601/602	625 SVOCs for PAH	3030C Lead
1	USTAS4158-MW01	1/9/08	14:00		X	AS4158-MW01	6	X	X	X
2	USTAS4158-MW07	1/9/08	13:00		X	AS4158-MW07	6	X	X	X
3	USTAS4158-MW08	1/9/08	15:00		X	AS4158-MW08	6	X	X	X
4	USTAS4158-MW10	1/9/08	12:00		X	AS4158-MW10	6	X	X	X
5	USTAS4158-MW11	1/9/08	16:00		X	AS4158-MW11	6	X	X	X
6	USTAS4158-MW13	1/9/08	17:00		X	AS4158-MW13	6	X	X	X
7	USTAS4158-MW14	1/9/08	11:00		X	AS4158-MW14	6	X	X	X
8	USTAS4158-MW15	1/9/08	10:00		X	AS4158-MW15	6	X	X	X
9	USTAS4158-MW17	1/10/08	9:30		X	AS4158-MW17	6	X	X	X
10	AS4158-TB-062307	1/10/08			X	Trip Blank	2	X		

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 10		FedEx	1/10/08	16:00	**14 DAY TAT**
2		FEDEX	Felix Montenegro - Alse	1-11-08	0900	FedEx 8639 0321 7387, 8639 0321 7398,
3						

1.2 - 06

F55032: Chain of Custody
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ACCUTEST Laboratories
F55032

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F55032 CLIENT: Shaw PROJECT: CAMP LEJEUNE-AS-41158

DATE/TIME RECEIVED: 01-11-08 0900 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 1.2 - 0.6

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

AIRBILL NUMBERS: 8639 0321 7398

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [X] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE F.M. 01-11-08 TECHNICIAN SIGNATURE/DATE [illegible] 1-11-08 ASBD 12/17/07

3.1 3

F55032: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: F55032
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1016-MB	N0023875.D	1	01/15/08	MM	n/a	n/a	VN1016

The QC reported here applies to the following samples: Method: EPA 624

F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9, F55032-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F55032
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1016-MB	N0023875.D	1	01/15/08	MM	n/a	n/a	VN1016

The QC reported here applies to the following samples: Method: EPA 624

F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9, F55032-10

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

Blank Spike Summary

Job Number: F55032
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1016-BS	N0023874.D	1	01/15/08	MM	n/a	n/a	VN1016

The QC reported here applies to the following samples: Method: EPA 624

F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9, F55032-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.0	104	83-124
75-27-4	Bromodichloromethane	25	25.0	100	76-116
75-25-2	Bromoform	25	25.4	102	68-128
108-90-7	Chlorobenzene	25	28.0	112	87-115
75-00-3	Chloroethane	25	30.0	120	54-166
67-66-3	Chloroform	25	27.1	108	85-123
110-75-8	2-Chloroethyl vinyl ether	125	127	102	63-125
56-23-5	Carbon tetrachloride	25	29.5	118	74-139
75-34-3	1,1-Dichloroethane	25	27.7	111	82-127
75-35-4	1,1-Dichloroethylene	25	29.0	116	75-133
107-06-2	1,2-Dichloroethane	25	25.7	103	76-122
78-87-5	1,2-Dichloropropane	25	25.6	102	81-120
124-48-1	Dibromochloromethane	25	26.0	104	74-116
75-71-8	Dichlorodifluoromethane	25	23.6	94	34-158
156-59-2	cis-1,2-Dichloroethylene	25	26.2	105	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.7	107	83-119
541-73-1	m-Dichlorobenzene	25	27.0	108	86-115
95-50-1	o-Dichlorobenzene	25	26.3	105	85-115
106-46-7	p-Dichlorobenzene	25	27.3	109	87-113
156-60-5	trans-1,2-Dichloroethylene	25	28.7	115	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.0	116	87-123
100-41-4	Ethylbenzene	25	27.4	110	87-118
74-83-9	Methyl bromide	25	26.5	106	55-151
74-87-3	Methyl chloride	25	22.8	91	55-173
75-09-2	Methylene chloride	25	22.1	88	69-125
1634-04-4	Methyl Tert Butyl Ether	25	24.2	97	75-116
71-55-6	1,1,1-Trichloroethane	25	29.4	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.5	98	71-120
79-00-5	1,1,2-Trichloroethane	25	24.9	100	80-114
127-18-4	Tetrachloroethylene	25	29.5	118	80-131
108-88-3	Toluene	25	26.7	107	86-116
79-01-6	Trichloroethylene	25	27.5	110	85-124
75-69-4	Trichlorofluoromethane	25	35.3	141	66-156
75-01-4	Vinyl chloride	25	26.9	108	57-153
1330-20-7	Xylene (total)	75	77.7	104	86-120

Blank Spike Summary

Job Number: F55032
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN1016-BS	N0023874.D	1	01/15/08	MM	n/a	n/a	VN1016

The QC reported here applies to the following samples: Method: EPA 624

F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9, F55032-10

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55032
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55032-2MS	N0023889.D	1	01/15/08	MM	n/a	n/a	VN1016
F55032-2MSD	N0023890.D	1	01/15/08	MM	n/a	n/a	VN1016
F55032-2	N0023883.D	1	01/15/08	MM	n/a	n/a	VN1016

The QC reported here applies to the following samples: Method: EPA 624

F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9, F55032-10

CAS No.	Compound	F55032-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	25.0	100	24.9	100	0	83-124/11
75-27-4	Bromodichloromethane	ND		25	24.0	96	23.7	95	1	76-116/10
75-25-2	Bromoform	ND		25	24.9	100	24.7	99	1	68-128/11
108-90-7	Chlorobenzene	ND		25	26.8	107	26.6	106	1	87-115/9
75-00-3	Chloroethane	ND		25	30.8	123	30.2	121	2	54-166/20
67-66-3	Chloroform	ND		25	26.6	106	26.8	107	1	85-123/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
56-23-5	Carbon tetrachloride	ND		25	27.8	111	28.2	113	1	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.2	109	27.3	109	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	28.5	114	28.0	112	2	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.0	100	25.1	100	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.0	96	24.1	96	0	81-120/11
124-48-1	Dibromochloromethane	ND		25	24.9	100	24.4	98	2	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	22.1	88	21.5	86	3	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.2	105	25.3	101	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.8	99	24.5	98	1	83-119/10
541-73-1	m-Dichlorobenzene	ND		25	26.7	107	25.2	101	6	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	26.1	104	25.0	100	4	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	26.4	106	24.7	99	7	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	25.9	104	28.4	114	9	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	27.3	109	27.3	109	0	87-123/10
100-41-4	Ethylbenzene	ND		25	26.3	105	25.6	102	3	87-118/10
74-83-9	Metbyl bromide	ND		25	27.2	109	25.1	100	8	55-151/21
74-87-3	Methyl chloride	ND		25	22.6	90	22.8	91	1	55-173/22
75-09-2	Methylene chloride	ND		25	21.8	87	21.3	85	2	69-125/11
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.4	94	24.4	98	4	75-116/10
71-55-6	1,1,1-Trichloroethane	ND		25	28.7	115	28.7	115	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	25.8	103	24.1	96	7	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.4	98	24.6	98	1	80-114/11
127-18-4	Tetrachloroethylene	ND		25	28.1	112	27.3	109	3	80-131/12
108-88-3	Toluene	ND		25	25.4	102	25.1	100	1	86-116/10
79-01-6	Trichloroethylene	ND		25	25.6	102	25.8	103	1	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	32.6	130	33.4	134	2	66-156/15
75-01-4	Vinyl chloride	ND		25	25.9	104	26.6	106	3	57-153/22
1330-20-7	Xylene (total)	ND		75	75.0	100	74.7	100	0	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55032
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F55032-2MS	N0023889.D	1	01/15/08	MM	n/a	n/a	VN1016
F55032-2MSD	N0023890.D	1	01/15/08	MM	n/a	n/a	VN1016
F55032-2	N0023883.D	1	01/15/08	MM	n/a	n/a	VN1016

The QC reported here applies to the following samples: Method: EPA 624

F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9, F55032-10

CAS No.	Surrogate Recoveries	MS	MSD	F55032-2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	107%	76-127%
2037-26-5	Toluene-D8	98%	98%	97%	86-112%
460-00-4	4-Bromofluorobenzene	100%	98%	102%	84-120%

GC/MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: F55032
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23764-MB	U006263.D	1	01/15/08	NJ	01/14/08	OP23764	SU293

The QC reported here applies to the following samples: Method: EPA 625

F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.1	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
85-01-8	Phenanthreue	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	74%	42-108%
321-60-8	2-Fluorobiphenyl	71%	40-106%
1718-51-0	Terphenyl-d14	87%	39-121%

Blank Spike Summary

Job Number: F55032
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23764-BS	U006262.D	1	01/15/08	NJ	01/14/08	OP23764	SU293

The QC reported here applies to the following samples: Method: EPA 625

F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	38.9	78	58-106
208-96-8	Acenaphthylene	50	38.9	78	58-105
120-12-7	Anthracene	50	41.1	82	65-108
56-55-3	Benzo(a)anthracene	50	42.6	85	63-111
50-32-8	Benzo(a)pyrene	50	42.5	85	62-106
205-99-2	Benzo(b)fluoranthene	50	43.1	86	63-109
191-24-2	Benzo(g,h,i)perylene	50	44.0	88	61-111
207-08-9	Benzo(k)fluoranthene	50	41.6	83	64-111
218-01-9	Chrysene	50	41.5	83	64-111
53-70-3	Dibenzo(a,h)anthracene	50	44.3	89	62-112
206-44-0	Fluoranthene	50	43.6	87	65-114
86-73-7	Fluorene	50	40.2	80	61-106
193-39-5	Indeno(1,2,3-cd)pyrene	50	45.5	91	61-113
90-12-0	1-Methylnaphthalene	50	36.9	74	52-102
91-57-6	2-Methylnaphthalene	50	38.8	78	56-112
91-20-3	Naphthalene	50	36.1	72	50-104
85-01-8	Phenanthrene	50	41.5	83	65-108
129-00-0	Pyrene	50	42.1	84	60-113

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	72%	40-106%
1718-51-0	Terphenyl-d14	86%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F55032
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23764-MS	U006269.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
OP23764-MSD	U006270.D	1	01/15/08	NJ	01/14/08	OP23764	SU293
F55032-5	U006268.D	1	01/15/08	NJ	01/14/08	OP23764	SU293

The QC reported here applies to the following samples: Method: EPA 625

F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9

CAS No.	Compound	F55032-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		96.2	80.2	83	74.9	78	7	58-106/21
208-96-8	Acenaphthylene	ND		96.2	80.7	84	73.8	77	9	58-105/21
120-12-7	Anthracene	ND		96.2	83.8	87	82.8	86	1	65-108/19
56-55-3	Benzo(a)anthracene	ND		96.2	87.2	91	84.6	88	3	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	87.0	90	86.0	89	1	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	89.1	93	86.6	90	3	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	87.1	91	88.9	92	2	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	86.9	90	85.3	89	2	64-111/20
218-01-9	Chrysene	ND		96.2	86.2	90	84.0	87	3	64-111/19
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	89.0	93	91.6	95	3	62-112/20
206-44-0	Fluoranthene	ND		96.2	90.4	94	87.7	91	3	65-114/21
86-73-7	Fluorene	ND		96.2	83.2	87	80.1	83	4	61-106/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	91.1	95	91.5	95	0	61-113/20
90-12-0	1-Methylnaphthalene	ND		96.2	76.0	79	67.9	71	11	52-102/25
91-57-6	2-Methylnaphthalene	ND		96.2	78.0	81	70.9	74	10	56-112/26
91-20-3	Naphthalene	ND		96.2	75.6	79	65.5	68	14	50-104/28
85-01-8	Phenanthrene	ND		96.2	85.1	89	83.0	86	2	65-108/20
129-00-0	Pyrene	ND		96.2	86.8	90	85.0	88	2	60-113/20

CAS No.	Surrogate Recoveries	MS	MSD	F55032-5	Limits
4165-60-0	Nitrobenzene-d5	77%	69%	76%	42-108%
321-60-8	2-Fluorobiphenyl	77%	69%	74%	40-106%
1718-51-0	Terphenyl-d14	91%	88%	83%	39-121%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F55032
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13714
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 01/11/08

Metal	RL	IDL	MB raw	final
Aluminum	200	48		
Antimony	6.0	3.3		
Arsenic	10	3.7		
Barium	200	5		
Beryllium	4.0	1		
Cadmium	5.0	1		
Calcium	1000	100		
Chromium	10	.92		
Cobalt	50	1		
Copper	25	1.2		
Iron	300	14		
Lead	5.0	2.1	-1.5	<5.0
Magnesium	5000	100		
Manganese	15	1		
Molybdeuum	50	1.2		
Nickel	40	1		
Potassium	10000	100		
Selenium	10	4		
Silver	10	.77		
Sodium	10000	500		
Thallium	10	5.6		
Tin	50	2.4		
Vanadium	50	1		
Zinc	20	5		

Associated samples MP13714: F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F55032
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13714
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			01/11/08					01/11/08	
Metal	F55032-1 Original	DUP	RPD	QC Limits	F55032-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	28.0	30.2	7.6	0-20	28.0	517	500	97.8	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP13714: F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F55032
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13714
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 01/11/08

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	497	500	99.4	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP13714: F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F55032
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP13714
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 01/11/08

Metal	F55032-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	28.0	26.3	6.1	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP13714: F55032-1, F55032-2, F55032-3, F55032-4, F55032-5, F55032-6, F55032-7, F55032-8, F55032-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/23/08

Technical Report for

Shaw E & I, Inc.

Camp Lejeune-AS-4158

125709

Accutest Job Number: F56491

Sampling Date: 03/26/08

Report to:

Shaw E & I, Inc.

natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: 72

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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Test results relate only to samples analyzed.

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Sample Summary

Shaw E & I, Inc.

Job No: F56491

Camp Lejeune-AS-4158
Project No: 125709

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F56491-1	03/26/08	13:30 JC	03/28/08	AQ	Ground Water	USTAS4158-MW01
F56491-2	03/26/08	12:30 JC	03/28/08	AQ	Ground Water	USTAS4158-MW07
F56491-3	03/26/08	14:15 JC	03/28/08	AQ	Ground Water	USTAS4158-MW08
F56491-4	03/26/08	11:45 JC	03/28/08	AQ	Ground Water	USTAS4158-MW10
F56491-5	03/26/08	15:00 JC	03/28/08	AQ	Ground Water	USTAS4158-MW11
F56491-6	03/26/08	11:00 JC	03/28/08	AQ	Ground Water	USTAS4158-MW13
F56491-7	03/26/08	10:15 JC	03/28/08	AQ	Ground Water	USTAS4158-MW14
F56491-8	03/26/08	09:00 JC	03/28/08	AQ	Ground Water	USTAS4158-MW15
F56491-9	03/26/08	16:00 JC	03/28/08	AQ	Ground Water	USTAS4158-MW17
F56491-10	03/26/08	16:00 JC	03/28/08	AQ	Ground Water	USTAS4158-MW17D
F56491-11	03/26/08	00:00 JC	03/28/08	AQ	Trip Blank Water	AS4158-TB-032608

Sample Results

Report of Analysis

Accutest LabLink@75545 10:25 23-Apr-2008

Report of Analysis

Client Sample ID:	USTAS4158-MW01		
Lab Sample ID:	F56491-1	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054599.D	1	04/03/08	LD	n/a	n/a	VC2208
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Report of Analysis

Client Sample ID:	USTAS4158-MW01		
Lab Sample ID:	F56491-1	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	109%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

Report of Analysis

Client Sample ID:	USTAS4158-MW01		
Lab Sample ID:	F56491-1	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001542.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		42-108%
321-60-8	2-Fluorobiphenyl	79%		40-106%
1718-51-0	Terphenyl-d14	59%		39-121%

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW01		
Lab Sample ID:	F56491-1	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	6.5	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

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Report of Analysis

Client Sample ID:	USTAS4158-MW07		
Lab Sample ID:	F56491-2	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054602.D	1	04/04/08	LD	n/a	n/a	VC2208
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Report of Analysis

Client Sample ID:	USTAS4158-MW07		
Lab Sample ID:	F56491-2	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	110%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

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

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW07		
Lab Sample ID:	F56491-2	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001543.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		42-108%
321-60-8	2-Fluorobiphenyl	78%		40-106%
1718-51-0	Terphenyl-d14	59%		39-121%

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW07		
Lab Sample ID:	F56491-2	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	11.5	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

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Report of Analysis

Client Sample ID:	USTAS4158-MW08		
Lab Sample ID:	F56491-3	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054603.D	1	04/04/08	LD	n/a	n/a	VC2208
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Report of Analysis

Client Sample ID:	USTAS4158-MW08		
Lab Sample ID:	F56491-3	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	108%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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

Report of Analysis

Client Sample ID:	USTAS4158-MW08		
Lab Sample ID:	F56491-3	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001544.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		42-108%
321-60-8	2-Fluorobiphenyl	83%		40-106%
1718-51-0	Terphenyl-d14	96%		39-121%

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW08		
Lab Sample ID:	F56491-3	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.1 U	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	USTAS4158-MW10		
Lab Sample ID:	F56491-4	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054604.D	1	04/04/08	LD	n/a	n/a	VC2208
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Report of Analysis

Client Sample ID:	USTAS4158-MW10		
Lab Sample ID:	F56491-4	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	110%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

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

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW10		
Lab Sample ID:	F56491-4	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001545.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		42-108%
321-60-8	2-Fluorobiphenyl	80%		40-106%
1718-51-0	Terphenyl-d14	87%		39-121%

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW10		
Lab Sample ID:	F56491-4	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	3.6 B	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	USTAS4158-MW11		
Lab Sample ID:	F56491-5	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054605.D	1	04/04/08	LD	n/a	n/a	VC2208
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	3.6	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	11.9	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Report of Analysis

Client Sample ID:	USTAS4158-MW11		
Lab Sample ID:	F56491-5	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	112%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

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

Report of Analysis

Client Sample ID:	USTAS4158-MW11		
Lab Sample ID:	F56491-5	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001546.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	84%		39-121%

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW11		
Lab Sample ID:	F56491-5	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.1 U	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

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Report of Analysis

Client Sample ID:	USTAS4158-MW13		
Lab Sample ID:	F56491-6	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054606.D	1	04/04/08	LD	n/a	n/a	VC2208
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	1.8	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	98.9	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Report of Analysis

Client Sample ID:	USTAS4158-MW13		
Lab Sample ID:	F56491-6	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	112%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

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

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

Report of Analysis

Client Sample ID:	USTAS4158-MW13		
Lab Sample ID:	F56491-6	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001547.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	81%		39-121%

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW13		
Lab Sample ID:	F56491-6	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.9 B	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

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Report of Analysis

Client Sample ID:	USTAS4158-MW14		
Lab Sample ID:	F56491-7	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054607.D	1	04/04/08	LD	n/a	n/a	VC2208
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Report of Analysis

Client Sample ID:	USTAS4158-MW14		
Lab Sample ID:	F56491-7	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	107%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

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

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

Report of Analysis

Client Sample ID:	USTAS4158-MW14		
Lab Sample ID:	F56491-7	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001548.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	1.4	ug/l	
208-96-8	Acenaphthylene	ND	4.9	1.1	ug/l	
120-12-7	Anthracene	ND	4.9	0.98	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.98	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.98	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.98	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.98	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.98	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.98	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.9	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	ND	4.9	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.98	ug/l	
129-00-0	Pyrene	ND	4.9	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	78%		39-121%

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW14		
Lab Sample ID:	F56491-7	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	5.2	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

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Report of Analysis

Client Sample ID:	USTAS4158-MW15		
Lab Sample ID:	F56491-8	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054608.D	1	04/04/08	LD	n/a	n/a	VC2208
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW15		
Lab Sample ID:	F56491-8	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001551.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	80%		39-121%

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW15		
Lab Sample ID:	F56491-8	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	5.7	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

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Report of Analysis

Client Sample ID:	USTAS4158-MW17		
Lab Sample ID:	F56491-9	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054609.D	1	04/04/08	LD	n/a	n/a	VC2208
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.7	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Report of Analysis

Client Sample ID:	USTAS4158-MW17		
Lab Sample ID:	F56491-9	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	111%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

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

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

Report of Analysis

Client Sample ID:	USTAS4158-MW17		
Lab Sample ID:	F56491-9	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001552.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.0	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	1.1	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	72%		40-106%
1718-51-0	Terphenyl-d14	86%		39-121%

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

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Report of Analysis

Client Sample ID:	USTAS4158-MW17		
Lab Sample ID:	F56491-9	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.1 U	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

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Report of Analysis

Client Sample ID:	USTAS4158-MW17D		
Lab Sample ID:	F56491-10	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054631.D	1	04/04/08	LD	n/a	n/a	VC2210
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.0	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest LabLink@75545 10:25 23-Apr-2008

Report of Analysis

Client Sample ID:	USTAS4158-MW17D		
Lab Sample ID:	F56491-10	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	109%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

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

Accutest LabLink@75545 10:25 23-Apr-2008

Report of Analysis

Client Sample ID:	USTAS4158-MW17D		
Lab Sample ID:	F56491-10	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001553.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		42-108%
321-60-8	2-Fluorobiphenyl	79%		40-106%
1718-51-0	Terphenyl-d14	89%		39-121%

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

Accutest LabLink@75545 10:25 23-Apr-2008

Report of Analysis

Client Sample ID:	USTAS4158-MW17D		
Lab Sample ID:	F56491-10	**Date Sampled:**	03/26/08
Matrix:	AQ - Ground Water	**Date Received:**	03/28/08
		Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	2.1 U	5.0	2.1	ug/l	1	03/31/08	03/31/08	RS	SW846 6010B [1]	SM 3030C [2]

(1) Instrument QC Batch: MA6367
(2) Prep QC Batch: MP14103

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result >= MDL but < RL

Accutest LabLink@75545 10:25 23-Apr-2008

Report of Analysis

Client Sample ID:	AS4158-TB-032608		
Lab Sample ID:	F56491-11	Date Sampled:	03/26/08
Matrix:	AQ - Trip Blank Water	Date Received:	03/28/08
Method:	EPA 624	Percent Solids:	n/a
Project:	Camp Lejeune-AS-4158		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C054611.D	1	04/04/08	LD	n/a	n/a	VC2208
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	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	

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

Accutest LabLink@75545 10:25 23-Apr-2008

Report of Analysis

Client Sample ID:	AS4158-TB-032608		
Lab Sample ID:	F56491-11	**Date Sampled:**	03/26/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/28/08
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Camp Lejeune-AS-4158		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	113% [a]		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Outside control limits; however, sample is ND.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

COC Number:
125709-USTAS4158-032608

F56491

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 -AS-4158	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
125709	Mark Martin		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Joe Colella		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: 601/602	625 SVOCs for PAH	3030C Lead
1	USTAS4158-MW01	3/26/08	13:30		X	AS4158-MW01	6	X	X	X
2	USTAS4158-MW07	3/26/08	12:30		X	AS4158-MW07	6	X	X	X
3	USTAS4158-MW08	3/26/08	14:15		X	AS4158-MW08	6	X	X	X
4	USTAS4158-MW10	3/26/08	11:45		X	AS4158-MW10	6	X	X	X
5	USTAS4158-MW11	3/26/08	15:00		X	AS4158-MW11	6	X	X	X
6	USTAS4158-MW13	3/26/08	11:00		X	AS4158-MW13	6	X	X	X
7	USTAS4158-MW14	3/26/08	10:15		X	AS4158-MW14	6	X	X	X
8	USTAS4158-MW15	3/26/08	9:00		X	AS4158-MW15	6	X	X	X
9	USTAS4158-MW17	3/26/08	16:00		X	AS4158-MW17	6	X	X	X
10	USTAS4158-MW17D	3/26/08	16:00		X	AS4158-MW17 Dup	6	X	X	X
11	AS4158-TB-032608	3/26/08	—		X	Trip Blank	2	X		

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1 -- 11		FedEx	3/27/08	16:00
2		FEDEX	Felipe Montenegro	3.28.08	0930
3					

Remarks

14 DAY TAT

FedEx 8639 1433 5364, 8639 1433 5375, 8639 1433 5386

2.2/ 2.6/2.0

F56491: Chain of Custody
Page 1 of 2

ACCUTEST

F56491

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F56491 CLIENT: SHAW PROJECT: CAMP LEJEUNE AS 4158

DATE/TIME RECEIVED: 03-28-08 0930 # OF COOLERS RECEIVED: 3 COOLER TEMPS: 2.2-2.6-2.0

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

AIRBILL NUMBERS: 863914335375

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [x] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [x] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [x] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Received 1 Amber (625) BROKEN FOR SAMPLES 3 AND 10.

FOR SAMPLE #8 : TIMES ON labels READ 9:30, COC shows 9:00.

TECHNICIAN SIGNATURE/DATE F.M. 3-28-08 TECHNICIAN SIGNATURE/DATE JC 3-28-08 ASBD 12/17/07

3.1 3

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2208-MB	C054597.D	1	04/03/08	LD	n/a	n/a	VC2208

The QC reported here applies to the following samples: Method: EPA 624

F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2208-MB	C054597.D	1	04/03/08	LD	n/a	n/a	VC2208

The QC reported here applies to the following samples: **Method:** EPA 624

F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	109%	86-112%
460-00-4	4-Bromofluorobenzene	104%	84-120%

Method Blank Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2210-MB	C054630.D	1	04/04/08	LD	n/a	n/a	VC2210

The QC reported here applies to the following samples: Method: EPA 624

F56491-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.43	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2210-MB	C054630.D	1	04/04/08	LD	n/a	n/a	VC2210

The QC reported here applies to the following samples: Method: EPA 624

F56491-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	76-127%
2037-26-5	Toluene-D8	114%*	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2208-BS	C054596.D	1	04/03/08	LD	n/a	n/a	VC2208

The QC reported here applies to the following samples: Method: EPA 624

F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.9	96	83-124
75-27-4	Bromodichloromethane	25	22.9	92	76-116
75-25-2	Bromoform	25	21.9	88	68-128
108-90-7	Chlorobenzene	25	26.6	106	87-115
75-00-3	Chloroethane	25	37.1	148	54-166
67-66-3	Chloroform	25	25.4	102	85-123
110-75-8	2-Chloroethyl vinyl ether	125	58.9	47*	63-125
56-23-5	Carbon tetrachloride	25	26.2	105	74-139
75-34-3	1,1-Dichloroethane	25	26.1	104	82-127
75-35-4	1,1-Dichloroethylene	25	27.3	109	75-133
107-06-2	1,2-Dichloroethane	25	23.6	94	76-122
78-87-5	1,2-Dichloropropane	25	23.7	95	81-120
124-48-1	Dibromochloromethane	25	23.6	94	74-116
75-71-8	Dichlorodifluoromethane	25	38.2	153	34-158
156-59-2	cis-1,2-Dichloroethylene	25	23.9	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	22.5	90	83-119
541-73-1	m-Dichlorobenzene	25	28.1	112	86-115
95-50-1	o-Dichlorobenzene	25	28.4	114	85-115
106-46-7	p-Dichlorobenzene	25	26.8	107	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.3	105	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.5	110	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
74-83-9	Methyl bromide	25	34.6	138	55-151
74-87-3	Methyl chloride	25	34.3	137	55-173
75-09-2	Methylene chloride	25	23.2	93	69-125
1634-04-4	Methyl Tert Butyl Ether	25	20.7	83	75-116
71-55-6	1,1,1-Trichloroethane	25	25.9	104	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.7	107	71-120
79-00-5	1,1,2-Trichloroethane	25	25.3	101	80-114
127-18-4	Tetrachloroethylene	25	26.8	107	80-131
108-88-3	Toluene	25	26.0	104	86-116
79-01-6	Trichloroethylene	25	23.3	93	85-124
75-69-4	Trichlorofluoromethane	25	37.8	151	66-156
75-01-4	Vinyl chloride	25	34.4	138	57-153
1330-20-7	Xylene (total)	75	76.8	102	86-120

Blank Spike Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2208-BS	C054596.D	1	04/03/08	LD	n/a	n/a	VC2208

The QC reported here applies to the following samples: **Method:** EPA 624

F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2210-BS	C054629.D	1	04/04/08	LD	n/a	n/a	VC2210

The QC reported here applies to the following samples: Method: EPA 624

F56491-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.2	97	83-124
75-27-4	Bromodichloromethane	25	22.4	90	76-116
75-25-2	Bromoform	25	23.4	94	68-128
108-90-7	Chlorobenzene	25	27.3	109	87-115
75-00-3	Chloroethane	25	41.0	164	54-166
67-66-3	Chloroform	25	25.6	102	85-123
110-75-8	2-Chloroethyl vinyl ether	125	58.6	47*	63-125
56-23-5	Carbon tetrachloride	25	26.3	105	74-139
75-34-3	1,1-Dichloroethane	25	27.4	110	82-127
75-35-4	1,1-Dichloroethylene	25	27.0	108	75-133
107-06-2	1,2-Dichloroethane	25	24.9	100	76-122
78-87-5	1,2-Dichloropropane	25	24.8	99	81-120
124-48-1	Dibromochloromethane	25	23.4	94	74-116
75-71-8	Dichlorodifluoromethane	25	31.1	124	34-158
156-59-2	cis-1,2-Dichloroethylene	25	24.1	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	22.2	89	83-119
541-73-1	m-Dichlorobenzene	25	27.5	110	86-115
95-50-1	o-Dichlorobenzene	25	27.2	109	85-115
106-46-7	p-Dichlorobenzene	25	27.2	109	87-113
156-60-5	trans-1,2-Dichloroethylene	25	27.1	108	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.3	105	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
74-83-9	Methyl bromide	25	42.0	168*	55-151
74-87-3	Methyl chloride	25	36.5	146	55-173
75-09-2	Methylene chloride	25	24.4	98	69-125
1634-04-4	Methyl Tert Butyl Ether	25	19.3	77	75-116
71-55-6	1,1,1-Trichloroethane	25	25.4	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.6	106	71-120
79-00-5	1,1,2-Trichloroethane	25	25.7	103	80-114
127-18-4	Tetrachloroethylene	25	28.2	113	80-131
108-88-3	Toluene	25	25.5	102	86-116
79-01-6	Trichloroethylene	25	21.8	87	85-124
75-69-4	Trichlorofluoromethane	25	47.2	189*	66-156
75-01-4	Vinyl chloride	25	38.6	154*	57-153
1330-20-7	Xylene (total)	75	77.4	103	86-120

Blank Spike Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2210-BS	C054629.D	1	04/04/08	LD	n/a	n/a	VC2210

The QC reported here applies to the following samples: **Method:** EPA 624

F56491-10

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56491-1MS	C054600.D	1	04/04/08	LD	n/a	n/a	VC2208
F56491-1MSD	C054601.D	1	04/04/08	LD	n/a	n/a	VC2208
F56491-1	C054599.D	1	04/03/08	LD	n/a	n/a	VC2208

The QC reported here applies to the following samples: Method: EPA 624

F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-11

CAS No.	Compound	F56491-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	23.3	93	22.8	91	2	83-124/11
75-27-4	Bromodichloromethane	ND		25	22.2	89	22.3	89	0	76-116/10
75-25-2	Bromoform	ND		25	22.1	88	21.5	86	3	68-128/11
108-90-7	Chlorobenzene	ND		25	26.4	106	25.3	101	4	87-115/9
75-00-3	Chloroethane	ND		25	34.5	138	34.2	137	1	54-166/20
67-66-3	Chloroform	ND		25	24.2	97	24.4	98	1	85-123/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
56-23-5	Carbon tetrachloride	ND		25	25.0	100	25.5	102	2	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	25.3	101	24.5	98	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	25.2	101	24.9	100	1	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	23.1	92	22.8	91	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	22.8	91	22.1	88	3	81-120/11
124-48-1	Dibromochloromethane	ND		25	23.3	93	22.9	92	2	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	35.2	141	36.8	147	4	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	23.2	93	22.9	92	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	21.3	85	21.4	86	0	83-119/10
541-73-1	m-Dichlorobenzene	ND		25	26.8	107	25.8	103	4	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	27.3	109	26.4	106	3	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	26.0	104	25.3	101	3	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	24.8	99	25.5	102	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.3	105	25.4	102	3	87-123/10
100-41-4	Ethylbenzene	ND		25	25.2	101	24.2	97	4	87-118/10
74-83-9	Methyl bromide	ND		25	34.5	138	33.2	133	4	55-151/21
74-87-3	Methyl chloride	ND		25	32.5	130	32.5	130	0	55-173/22
75-09-2	Methylene chloride	ND		25	22.3	89	21.5	86	4	69-125/11
1634-04-4	Methyl Tert Butyl Ether	ND		25	20.0	80	19.9	80	1	75-116/10
71-55-6	1,1,1-Trichloroethane	ND		25	25.1	100	25.4	102	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	27.7	111	26.6	106	4	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.0	100	24.3	97	3	80-114/11
127-18-4	Tetrachloroethylene	ND		25	26.1	104	24.9	100	5	80-131/12
108-88-3	Toluene	ND		25	25.6	102	24.7	99	4	86-116/10
79-01-6	Trichloroethylene	ND		25	21.1	84*	21.2	85	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	36.6	146	35.8	143	2	66-156/15
75-01-4	Vinyl chloride	ND		25	32.9	132	31.5	126	4	57-153/22
1330-20-7	Xylene (total)	ND		75	74.5	99	72.2	96	3	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56491-1MS	C054600.D	1	04/04/08	LD	n/a	n/a	VC2208
F56491-1MSD	C054601.D	1	04/04/08	LD	n/a	n/a	VC2208
F56491-1	C054599.D	1	04/03/08	LD	n/a	n/a	VC2208

The QC reported here applies to the following samples: **Method:** EPA 624

F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-11

CAS No.	Surrogate Recoveries	MS	MSD	F56491-1	Limits
1868-53-7	Dibromofluoromethane	99%	102%	95%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	105%	105%	76-127%
2037-26-5	Toluene-D8	107%	106%	109%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	107%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56506-3MS	C054633.D	1	04/04/08	LD	n/a	n/a	VC2210
F56506-3MSD	C054634.D	1	04/04/08	LD	n/a	n/a	VC2210
F56506-3	C054632.D	1	04/04/08	LD	n/a	n/a	VC2210

The QC reported here applies to the following samples: **Method:** EPA 624

F56491-10

CAS No.	Compound	F56506-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	21.0	84	21.3	85	1	83-124/11
75-27-4	Bromodichloromethane	ND		25	19.6	78	20.5	82	4	76-116/10
75-25-2	Bromoform	ND		25	19.4	78	20.5	82	6	68-128/11
108-90-7	Chlorobenzene	ND		25	23.4	94	23.4	94	0	87-115/9
75-00-3	Chloroethane	ND		25	39.1	156	40.5	162	4	54-166/20
67-66-3	Chloroform	ND		25	21.4	86	22.0	88	3	85-123/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
56-23-5	Carbon tetrachloride	ND		25	21.9	88	21.9	88	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	23.3	93	23.5	94	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	22.1	88	23.7	95	7	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	21.4	86	21.6	86	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	20.3	81	21.0	84	3	81-120/11
124-48-1	Dibromochloromethane	ND		25	19.5	78	20.2	81	4	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	29.1	116	37.2	149	24*	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	20.2	81	20.5	82	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	17.6	70*	18.6	74*	6	83-119/10
541-73-1	m-Dichlorobenzene	ND		25	23.8	95	23.9	96	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.2	93	23.6	94	2	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	23.7	95	23.6	94	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	22.5	90	22.9	92	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	21.9	88	22.7	91	4	87-123/10
100-41-4	Ethylbenzene	ND		25	21.6	86*	21.8	87	1	87-118/10
74-83-9	Methyl bromide	ND		25	40.7	163*	41.7	167*	2	55-151/21
74-87-3	Methyl chloride	ND		25	34.4	138	39.7	159	14	55-173/22
75-09-2	Methylene chloride	ND		25	19.8	79	20.6	82	4	69-125/11
1634-04-4	Methyl Tert Butyl Ether	ND		25	15.9	64*	16.6	66*	4	75-116/10
71-55-6	1,1,1-Trichloroethane	ND		25	21.0	84	22.2	89	6	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.2	97	24.8	99	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.2	89	22.2	89	0	80-114/11
127-18-4	Tetrachloroethylene	ND		25	23.7	95	23.8	95	0	80-131/12
108-88-3	Toluene	ND		25	21.6	86	22.1	88	2	86-116/10
79-01-6	Trichloroethylene	ND		25	17.5	70*	18.2	73*	4	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	44.8	179*	45.8	183*	2	66-156/15
75-01-4	Vinyl chloride	ND		25	37.4	150	41.8	167*	11	57-153/22
1330-20-7	Xylene (total)	ND		75	65.5	87	65.1	87	1	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F56506-3MS	C054633.D	1	04/04/08	LD	n/a	n/a	VC2210
F56506-3MSD	C054634.D	1	04/04/08	LD	n/a	n/a	VC2210
F56506-3	C054632.D	1	04/04/08	LD	n/a	n/a	VC2210

The QC reported here applies to the following samples: **Method:** EPA 624

F56491-10

CAS No.	Surrogate Recoveries	MS	MSD	F56506-3	Limits
1868-53-7	Dibromofluoromethane	99%	97%	95%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	110%	108%	76-127%
2037-26-5	Toluene-D8	103%	106%	110%	86-112%
460-00-4	4-Bromofluorobenzene	94%	99%	98%	84-120%

GC/MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP24586-MB	X001534.D	1	04/04/08	NJ	04/01/08	OP24586	SX79

The QC reported here applies to the following samples: Method: EPA 625

F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-10

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.1	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	43%	14-62%
4165-62-2	Phenol-d5	27%	10-40%
118-79-6	2,4,6-Tribromophenol	80%	33-118%
4165-60-0	Nitrobenzene-d5	80%	42-108%
321-60-8	2-Fluorobiphenyl	79%	40-106%
1718-51-0	Terphenyl-d14	89%	39-121%

Blank Spike Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP24586-BS	X001533.D	1	04/04/08	NJ	04/01/08	OP24586	SX79

The QC reported here applies to the following samples: **Method:** EPA 625

F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	40.2	80	58-106
208-96-8	Acenaphthylene	50	39.6	79	58-105
120-12-7	Anthracene	50	41.9	84	65-108
56-55-3	Benzo(a)anthracene	50	41.6	83	63-111
50-32-8	Benzo(a)pyrene	50	42.0	84	62-106
205-99-2	Benzo(b)fluoranthene	50	43.3	87	63-109
191-24-2	Benzo(g,h,i)perylene	50	41.7	83	61-111
207-08-9	Benzo(k)fluoranthene	50	44.7	89	64-111
218-01-9	Chrysene	50	42.5	85	64-111
53-70-3	Dibenzo(a,h)anthracene	50	39.3	79	62-112
206-44-0	Fluoranthene	50	42.9	86	65-114
86-73-7	Fluorene	50	41.3	83	61-106
193-39-5	Indeno(1,2,3-cd)pyrene	50	35.1	70	61-113
90-12-0	1-Methylnaphthalene	50	37.4	75	52-102
91-57-6	2-Methylnaphthalene	50	39.3	79	56-112
91-20-3	Naphthalene	50	36.9	74	50-104
85-01-8	Phenanthrene	50	42.2	84	65-108
129-00-0	Pyrene	50	42.7	85	60-113

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	24%	10-40%
118-79-6	2,4,6-Tribromophenol	83%	33-118%
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	91%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F56491
Account: ITVAVAB Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP24586-MS	X001549.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
OP24586-MSD	X001550.D	1	04/04/08	NJ	04/01/08	OP24586	SX79
F56491-7	X001548.D	1	04/04/08	NJ	04/01/08	OP24586	SX79

The QC reported here applies to the following samples: **Method:** EPA 625

F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-10

CAS No.	Compound	F56491-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		95.2	80.5	85	82.9	87	3	58-106/21
208-96-8	Acenaphthylene	ND		95.2	80.3	84	83.4	88	4	58-105/21
120-12-7	Anthracene	ND		95.2	81.1	85	81.7	86	1	65-108/19
56-55-3	Benzo(a)anthracene	ND		95.2	82.4	87	83.2	87	1	63-111/19
50-32-8	Benzo(a)pyrene	ND		95.2	82.2	86	84.2	88	2	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		95.2	81.8	86	85.3	90	4	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		95.2	84.8	89	86.9	91	2	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		95.2	84.9	89	87.4	92	3	64-111/20
218-01-9	Chrysene	ND		95.2	80.5	85	82.9	87	3	64-111/19
53-70-3	Dibenzo(a,h)anthracene	ND		95.2	81.5	86	85.0	89	4	62-112/20
206-44-0	Fluoranthene	ND		95.2	83.1	87	83.6	88	1	65-114/21
86-73-7	Fluorene	ND		95.2	81.7	86	83.9	88	3	61-106/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		95.2	74.1	78	79.2	83	7	61-113/20
90-12-0	1-Methylnaphthalene	ND		95.2	77.9	82	81.9	86	5	52-102/25
91-57-6	2-Methylnaphthalene	ND		95.2	80.2	84	83.8	88	4	56-112/26
91-20-3	Naphthalene	ND		95.2	75.8	80	81.1	85	7	50-104/28
85-01-8	Phenanthrene	ND		95.2	81.7	86	82.2	86	1	65-108/20
129-00-0	Pyrene	ND		95.2	83.6	88	85.8	90	3	60-113/20

CAS No.	Surrogate Recoveries	MS	MSD	F56491-7	Limits
367-12-4	2-Fluorophenol	61%	63%*		14-62%
4165-62-2	Phenol-d5	44%*	48%*		10-40%
118-79-6	2,4,6-Tribromophenol	90%	87%		33-118%
4165-60-0	Nitrobenzene-d5	83%	84%	70%	42-108%
321-60-8	2-Fluorobiphenyl	84%	84%	68%	40-106%
1718-51-0	Terphenyl-d14	90%	90%	78%	39-121%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F56491
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP14103
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 03/31/08

Metal	RL	IDL	MB raw	final
Aluminum	200	48		
Antimony	6.0	3.3		
Arsenic	10	3.7		
Barium	200	5		
Beryllium	4.0	1		
Cadmium	5.0	1		
Calcium	1000	100		
Chromium	10	.92		
Cobalt	50	1		
Copper	25	1.2		
Iron	300	14		
Lead	5.0	2.1	-1.4	<5.0
Magnesium	5000	100		
Manganese	15	1		
Molybdenum	50	1.2		
Nickel	40	1		
Potassium	10000	100		
Selenium	10	4		
Silver	10	.77		
Sodium	10000	500		
Thallium	10	5.6		
Tin	50	2.4		
Vanadium	50	1		
Zinc	20	5		

Associated samples MP14103: F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F56491
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP14103
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 03/31/08 03/31/08

Metal	F56491-1 Original	DUP	RPD	QC Limits	F56491-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	6.5	5.7	13.1	0-20	6.5	464	500	91.5	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP14103: F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F56491
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP14103
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 03/31/08

Metal	F56491-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	6.5	466	500	91.9	0.4	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP14103: F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F56491
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP14103
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 03/31/08

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	455	500	91.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP14103: F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F56491
Account: ITVAVAB - Shaw E & I, Inc.
Project: Camp Lejeune-AS-4158

QC Batch ID: MP14103
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 03/31/08

Metal	F56491-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	6.47	15.0	132.5(a)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP14103: F56491-1, F56491-2, F56491-3, F56491-4, F56491-5, F56491-6, F56491-7, F56491-8, F56491-9, F56491-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

APPENDIX C

HISTORICAL GROUNDWATER LABORATORY DATA

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW01																	
Benzene	1	BQL	1	NS	BQL	6	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Ethylbenzene	29	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Toluene	1000	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Total Xylenes	530	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Naphthalene	21	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	NS	BQL	BQL	NS	NS	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW01																				
Benzene	1	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalen	28	NS	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW02																	
Benzene	1	BQL	23	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Ethylbenzene	29	240	320	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Toluene	1000	140	140	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Total Xylenes	530	1020	1100	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Naphthalene	21	14	18	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Fluorene	280	BQL	BQL	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Anthracene	2100	BQL	BQL	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
Pyrene	210	BQL	BQL	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	NS	NS	NS	BQL	NS	NS	BQL	NS	NS	NS	NS	NS	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW02																				
Benzene	1	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	29	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	1000	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Xylenes	530	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	21	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	80	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	280	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	210	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	2100	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	210	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Methylnaphthalen	Detection Limit	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalen	28	BQL	BQL	NS	BQL	BQL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW03																	
Benzene	1	BQL	BQL	BQL	BQL	BQL	1	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Ethylbenzene	29	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Toluene	1000	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Naphthalene	21	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW03																				
Benzene	1	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Ethylbenzene	29	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Toluene	1000	BQL	BQL	13	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Total Xylenes	530	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Naphthalene	21	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Fluorene	280	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
Pyrene	210	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS
2-Methylnaphthalen	28	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS	BQL	NS	NS	NS	NS	NS

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW04																	
Benzene	1	NS	BQL	BQL	BQL	BQL	1	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Ethylbenzene	29	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Toluene	1000	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Naphthalene	21	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Acenaphthene	80	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	NS	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW04																				
Benzene	1	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
Ethylbenzene	29	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
Methyl-tert-butyl ether (MTBE)	200	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
Toluene	1000	NS	2	BQL	BQL	BQL	BQL	BQL	BQL	1.3	BQL	BQL	BQL	1.4	BQL	NS	NS	NS	NS	NS
Total Xylenes	530	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
Naphthalene	21	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
Acenaphthene	80	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
Phenanthrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
Pyrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
1-Methylnaphthalen	Detection Limit	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS
2-Methylnaphthalen	28	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	NS	NS	NS	NS

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW05																	
Benzene	1	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Ethylbenzene	29	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Toluene	1000	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Total Xylenes	530	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Naphthalene	21	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Acenaphthene	80	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Fluorene	280	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Phenanthrene	210	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Anthracene	2100	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
Pyrene	210	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL
2-Methylnaphthalen	28	BQL	NS	NS	NS	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW05																				
Benzene	1	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Ethylbenzene	29	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Toluene	1000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.1	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Total Xylenes	530	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Naphthalene	21	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Fluorene	280	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Pyrene	210	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
2-Methylnaphthalen	28	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS

Above regulatory limits **BQL - Below Quantitation Limit** NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW07																	
Benzene	1	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Ethylbenzene	29	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Toluene	1000	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Naphthalene	21	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW07																				
Benzene	1	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW08																	
Benzene	1	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Ethylbenzene	29	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Toluene	1000	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Naphthalene	21	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW08																				
Benzene	1	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalen	28	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW09																	
Benzene	1	NS	NS	NS	NS	NS	NS	110	NS	13	5	NS	6	17	NS	66	89
Ethylbenzene	29	NS	NS	NS	NS	NS	NS	86	NS	61	1	NS	BQL	1	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	NS	NS	NS	NS	NS	NS	26	NS	23	28	NS	13	23	NS	23	16
Toluene	1000	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	BQL	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	NS	NS	NS	NS	NS	NS	470	NS	321	55	NS	8	9	NS	BQL	BQL
Naphthalene	21	NS	NS	NS	NS	NS	NS	BQL	NS	56	68	NS	16	13	NS	BQL	BQL
Acenaphthene	80	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	17	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	NS	NS	NS	NS	NS	NS	BQL	NS	26	89	NS	22	20	NS	BQL	BQL
Phenanthrene	210	NS	NS	NS	NS	NS	NS	11000	NS	37	160	NS	29	20	NS	17	BQL
Anthracene	2100	NS	NS	NS	NS	NS	NS	11000	NS	BQL	20	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	22	NS	BQL	BQL	NS	BQL	30
1-Methylnaphthalen	Detection Limit	NS	NS	NS	NS	NS	NS	17000	NS	120	240	NS	62	51	NS	12	BQL
2-Methylnaphthalen	28	NS	NS	NS	NS	NS	NS	90000	NS	120	360	NS	31	23	NS	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW09																				
Benzene	1	NS	100	160	180	52	BQL	NS	NS	20.3	NS	18.7	NS	1.8	BQL	10.5	16.4	8	FP	FP
Ethylbenzene	29	NS	BQL	BQL	13	1	BQL	NS	NS	5.2	NS	6	NS	BQL	BQL	BQL	BQL	BQL	FP	FP
Methyl-tert-butyl ether (MTBE)	200	NS	11	10	BQL	6	2	NS	NS	2.2	NS	1.2	NS	2.3	BQL	BQL	BQL	BQL	FP	FP
Toluene	1000	NS	BQL	BQL	BQL	BQL	BQL	NS	NS	7.3	NS	BQL	NS	BQL	2.5	BQL	BQL	BQL	FP	FP
Total Xylenes	530	NS	BQL	32	24	2	BQL	NS	NS	62.3	NS	62.2	NS	18.1	11	5.1	4.5	4.6	FP	FP
Naphthalene	21	NS	BQL	54	28	BQL	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	FP	FP
Acenaphthene	80	NS	BQL	BQL	17	BQL	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	FP	FP
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	FP	FP
Phenanthrene	210	NS	11	23	BQL	BQL	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	FP	FP
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	FP	FP
Pyrene	210	NS	13	14	BQL	BQL	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	FP	FP
1-Methylnaphthalen	Detection Limit	NS	BQL	63	13	BQL	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	FP	FP
2-Methylnaphthalen	28	NS	11	35	13	BQL	BQL	NS	NS	BQL	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	FP	FP

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW10																	
Benzene	1	230	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Ethylbenzene	29	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Toluene	1000	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Naphthalene	21	26	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	12	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	14	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

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Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW10																				
Benzene	1	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	11.9
Toluene	1000	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalen	28	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW11																	
Benzene	1	90	20	250	62	20	7	NS	5	NS	16	NS	2	BQL	NS	8	15
Ethylbenzene	29	4	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	130	7	26	10	40	12	NS	8	NS	13	NS	6	7	NS	9	9
Toluene	1000	24	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	56	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Naphthalene	21	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW11																				
Benzene	1	NS	16	10	2	3	1	2	BQL	2.5	2.7	6.7	4.4	BQL	BQL	8.3	2.9	5.5	3.6	3.6
Ethylbenzene	29	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	NS	7	4	5	8	12	13	7	6.8	7.0	3.3	7.8	80,3	29.9	4.8	7.8	80.3	29.9	4.8
Toluene	1000	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalen	28	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW13																	
Benzene	1	1700	140	1200	44	NS	NS	1	38	NS	NS	NS	6	BQL	NS	180	89
Ethylbenzene	29	220	19	440	7	NS	NS	BQL	3	NS	NS	NS	1	BQL	NS	34	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	150	56	NS	NS	7	18	NS	NS	NS	16	17	NS	69	55
Toluene	1000	270	BQL	1300	BQL	NS	NS	BQL	7	NS	NS	NS	BQL	BQL	NS	190	26
Total Xylenes	530	580	BQL	2020	10	NS	NS	BQL	BQL	NS	NS	NS	BQL	BQL	NS	290	19
Naphthalene	21	47	BQL	64	BQL	NS	NS	BQL	36	NS	NS	NS	BQL	BQL	NS	13	BQL
Acenaphthene	80	BQL	BQL	BQL	BQL	NS	NS	BQL	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	BQL	BQL	NS	NS	BQL	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	BQL	BQL	NS	NS	BQL	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	BQL	BQL	NS	NS	BQL	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	BQL	BQL	NS	NS	BQL	BQL	NS	NS	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	NS	NS	BQL	22	NS	NS	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	11	BQL	BQL	BQL	NS	NS	BQL	32	NS	NS	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW13																				
Benzene	1	NS	300	150	35	5	BQL	3	3	49.5	1.9	35.1	2	BQL	BQL	88.3	9.2	BQL	1.9	1.8
Ethylbenzene	29	NS	550	43	3	BQL	BQL	BQL	BQL	4.5	BQL	3.6	BQL	BQL	BQL	11.5	BQL	BQL	BQL	11.5
Methyl-tert-butyl ether (MTBE)	200	NS	BQL	35	52	62	42	15	34	47.4	35.7	38.4	53.7	35.7	47.4	60.5	21.9	57.7	84	98.9
Toluene	1000	NS	610	67	7	BQL	BQL	BQL	BQL	1.1	BQL	1.9	BQL	BQL	BQL	1.4	BQL	BQL	BQL	BQL
Total Xylenes	530	NS	1280	154	13	BQL	BQL	BQL	BQL	9.7	BQL	8.3	BQL	BQL	BQL	32.3	BQL	BQL	BQL	BQL
Naphthalene	21	NS	90	11	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	NS	14	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalen	28	NS	13	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW14																	
Benzene	1	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Ethylbenzene	29	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Toluene	1000	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Naphthalene	21	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	NS	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW14																				
Benzene	1	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.4	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalen	28	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW15																	
Benzene	1	1	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Ethylbenzene	29	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Toluene	1000	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Naphthalene	21	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW15																				
Benzene	1	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29	NS	BQL	BQL	2	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000	NS	BQL	BQL	1	BQL	BQL	BQL	BQL	NS	BQL	BQL	1.3	BQL	1	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530	NS	BQL	BQL	6	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalen	28	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW17																	
Benzene	1	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Ethylbenzene	29	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	3
Toluene	1000	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Total Xylenes	530	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Naphthalene	21	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Acenaphthene	80	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Fluorene	280	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Phenanthrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Anthracene	2100	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
Pyrene	210	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
1-Methylnaphthalen	Detection Limit	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL
2-Methylnaphthalen	28	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	NS	BQL	NS	BQL	BQL	NS	BQL	BQL

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW17																				
Benzene	1	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200	NS	3	3	8	8	8	10	9	31.9	30.2	28.1	33,7	33.5	29.4	23.1	9.0	BQL	2,6	2,7
Toluene	1000	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalen	Detection Limit	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalen	28	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	3/27/98	5/15/98	6/24/98	7/23/98	10/21/98	1/25/99	2/16/99	4/19/99	5/7/99	7/14/99	7/30/99	10/20/99	1/12/00	3/23/00	4/25/00	7/26/00
MW18																	
Benzene	1	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Ethylbenzene	29	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Methyl-tert-butyl ether (MTBE)	200	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Toluene	1000	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Total Xylenes	530	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Naphthalene	21	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Acenaphthene	80	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Fluorene	280	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Phenanthrene	210	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Anthracene	2100	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
Pyrene	210	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
1-Methylnaphthalen	Detection Limit	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS
2-Methylnaphthalen	28	BQL	NS	NS	NS	NS	NS	NS	BQL	NS	BQL	NS	NS	NS	NS	BQL	NS

Above regulatory limits

BQL - Below Quantitation Limit

NS - Not Sampled

Historical Summary of Detected Contaminants
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corp Air Station
New River, North Carolina

Well No./Contaminant	NCDENR Reg Limit	7/27/00	10/18/00	1/4/01	4/17/01	7/16/01	10/15/01	1/15/02	4/15/02	4/14/04	7/12/04	10/7/04	1/4/05	4/5/05	7/27/05	3/8/07	6/23/07	10/9/07	1/9/08	3/26/08
MW18																				
Benzene	1	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Ethylbenzene	29	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Methyl-tert-butyl ether (MTBE)	200	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Toluene	1000	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Total Xylenes	530	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Naphthalene	21	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Acenaphthene	80	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Fluorene	280	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Phenanthrene	210	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Anthracene	2100	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
Pyrene	210	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
1-Methylnaphthalen	Detection Limit	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS
2-Methylnaphthalen	28	NS	NS	NS	BQL	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS	BQL	BQL	BQL	NS

Above regulatory limits **BQL - Below Quantitation Limit** **NS - Not Sampled**