REPORT OF FINDINGS

FOR

FC 100
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

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A. EXECUTIVE SUMMARY

The FC100 Site is an approximately 10 acre parcel located to the immediate north of Building FC100 on McHugh Boulevard aboard Marine Corps Base (MCB), Camp Lejeune, in Onslow County, North Carolina. The storage and maintenance area located in the rear (north) of the building is proposed to be paved with asphalt. No hazardous wastes or materials have been reported to be deposited at the site. Catlin Engineers and Scientists (CATLIN) was contracted by Osage of Virginia Incorporated (OSAGE) to conduct this investigation at the subject site to assess the subsurface conditions at the subject area with respect to buried debris and potential petrochemical impact.

Thirty-six soil borings were installed across the site and representative soil samples collected from each boring. Temporary monitoring wells were installed into 18 borings and representative groundwater samples were collected from each. Eleven test pits were dug across the proposed paving area in order to address the potential for buried debris and petrochemical impact. Soil samples were analyzed by Accutest Laboratories (Accutest) located in Orlando, Florida for Volatile Organics per United States Environmental Protection Agency (EPA) Method 8260B, Total Petroleum Hydrocarbons (TPH) per EPA 5035 and 3550B, and Metals per EPA Method 6010. Groundwater samples were analyzed by Accutest for Volatile Organics + Methyl tertiary-butyl ether (MTBE) per EPA Method 8260 and Semi-Volatile Organics (Base/Neutral/Acid (BNA) Extractables) per EPA Method 8270. Laboratory analysis included Level IV CLP-like data validation.

Analytical soil results were compared to applicable EPA Region 9 Industrial Risk Preliminary Remediation Goals (PRG), North Carolina Inactive Hazardous Sites Branch (NC IHSB) Soil Remediation Goals (SRG), and North Carolina Hazardous Waste Section (NC HWS) Soil Screening Levels (SSL).

Soil analysis revealed the following petrochemical target compounds above the lowest established applicable standards in soil boring FC100-SB31 (6-8'): Naphthalene (5.12 milligrams per kilogram (mg/kg)), n-Propylbenzene (5.96 mg/kg), 1,2,4-Trimethylbenzene (99.8 mg/kg), 1,3,5-Trimethylbenzene (39.1 mg/kg), and Total Xylenes (68.9 mg/kg). Methylene Chloride was reported in numerous samples at concentrations in excess of the NC HWS SSL. However, the compound was detected in the majority of the laboratory Method blanks and is suspected to be a laboratory artifact. Arsenic was identified in sample FC100-SB03 (2-4') at a concentration of 3.3 mg/kg and Vanadium was reported in samples FC100-SB01 (2-4') and FC100-SB03 (2-4') at concentrations of 17.6 mg/kg and 16.8 mg/kg, respectively. These concentrations are both above the lowest established applicable standard. However, Arsenic and Vanadium are common naturally occurring minerals in the North Carolina Coastal Plain.

Total Petroleum Hydrocarbon (TPH) Gasoline Range Organics (GRO) in the C-6-C10 range, Diesel Range Organics (DRO) in the C10-C28 range, and Oil Range Organics (ORO) considered as >C28 through C40 for which there are no current NC IHSB SRG, NC HWS SSL, or US EPA Region 9 Industrial Risk PRGs were reported as follows:

GRO - One soil sample (FC100-SB14 (6-8')) with a reported estimated concentration of 7.23 mg/kg.

DRO - Ten soil samples with reported estimated concentrations ranging from a low of 6.13 mg/kg in sample FC100-SB03 (2-4') to a high of 56.1 mg/kg in sample FC100-SB25 (2-4').

ORO - Twelve soil samples with reported estimated concentrations ranging from a low of 5.65 mg/kg in sample FC100-SB04 (4-6') to a high of 64.0 mg/kg in sample FC100-SB25 (2-4').

Groundwater laboratory results were compared to the North Carolina Administrative Code T15A:02L Groundwater Quality Standards (2L GWQS). The following is a summary of groundwater samples reported with target compounds at concentrations above established 2L GWQS:

TMW-16 - Benzene (35.9 microgram per liter (µg/L)

TMW-19 - Benzene (56.5 µg/L), Naphthalene (99.3 µg/L and estimated concentration of 24.7 µg/L), Toluene (1,040 µg/L), Total Xylenes (1,480 µg/L), and 2-Methylnaphthalene (16.2 µg/L)

TMW-31 - Benzene (241 µg/L), Ethylbenzene (2,220 µg/L), Methylene Chloride (estimated concentration of 253 µg/L), n-Propylbenzene (226 µg/L), 1,2,4-Trimethylbenzene (1,790 µg/L), 1,3,5-Trimethylbenzene (625 µg/L), Toluene (14,600 µg/L), and Total Xylenes (12,100 µg/L), 2-Methylnaphthalene (36.2 µg/L), and Naphthalene (118 µg/L).

The test pit investigation was conducted by digging 11 test pits across the subject site. Test pits were initially dug approximately four feet deep by three feet wide by eight feet long to inspect the subsurface with respect to buried debris or petrochemical impact. The following summarizes the findings of the test pit investigation:

Test Pit 1 (FC100-TP1) - Camouflage netting, tents, poles, spent ammunition casings, and numerous other debris associated with field deployment operations were encountered and subsequently removed. No measurable photo ionization detector (PID) reading or visible staining from petroleum related impact was noted.

Test Pit 7 (FC100-TP7) - Rubber mud-flaps were unearthed in the immediate vicinity of the pit. PID readings of soils removed from the pit ranged from 0.0 parts per million (ppm) to 8.7 ppm. No visible staining or potential source areas were noted in the pit.

Test Pit 10 (FC100-TP10) - No debris was noted in the excavation. PID reading of soils removed during the excavation ranged from 0.0 ppm to 3.7 ppm. No visible staining or potential source areas were noted in the pit.

No additional debris or evidence of potential petrochemical impact were encountered in the remaining eight test pits.

In summary, petroleum impact to the subsurface soils above established SRG, SSL, or PRG levels was encountered only in sample FC100-SB31 (6-8') collected at the northeast corner on Building FC100. Petroleum impact as TPH was reported in numerous soil samples collected during the investigation primarily from the northwestern, central to north central and southeastern portion of the subject area. There are no current SRG, SSL, or PRG TPH standards. Petrochemical impact to groundwater in excess of current 2L GWQS was identified in three samples collected to the immediate north of Building FC100.

B. PURPOSE OF INVESTIGATION

Building FC100 is located on McHugh Boulevard in the French Creek Area of MCB Camp Lejeune. The site location is presented on Figure 1. An approximately 10 acre area to the immediate north of the building utilized for vehicle and equipment storage and maintenance is proposed to be paved with asphalt. The surface of the subject area is currently unpaved and covered predominantly with sand and gravel. This investigation was conducted to assess the potential for buried debris and petrochemical impact to the subsurface and report any findings as such. A site plan is included on Figure 2.

This investigation was performed by CATLIN in conjunction with OSAGE in April 2008. CATLIN and OSAGE were authorized to perform this investigation by Naval Facilities (NAVFAC) Mid-Atlantic personnel in accordance with the Order of Supplies Contract Number N40085-06-D-7006 / CTO 0012.

C. SCOPE OF WORK

This project involved the advancement of 36 soil borings using direct push technologies (DPT) for soil sample retrieval and the installation of 18 temporary monitoring wells (TMWs) to facilitate the collection of representative groundwater samples. Sample positions were located using a Global Positioning System (GPS) and were spaced across the subject site in an approximate grid pattern to provide adequate coverage of the site. DPT techniques are detailed in the CATLIN Standard Methods of Investigation included in Appendix A. Eleven test-pits were dug at select locations across the subject site to identify any buried debris. Test pits were advanced under the direction of OSAGE personnel using a rubber tired back-hoe. Test pits were initially dug approximately three feet wide by four feet deep and eight feet long to identify any buried debris. If debris was encountered, the test pits were expanded to allow for removal and documentation of the debris.

D. SOIL INVESTIGATION

Soil boring installation was conducted by CATLIN personnel between April 14 and April 24, 2008. Thirty-six soil borings (FC100-SB01 through FC100-SB36) were advanced to depths ranging from four to 20 feet below land surface (BLS). Soil samples were collected continuously using four-foot long stainless steel samplers with 1.5 inch diameter clear acetate liners. Each sample was logged by the field geologist then the sample was split in two and representative samples placed into pre-labeled plastic bags. One sample was placed immediately on ice pending selection for laboratory analysis then the second sample was left undisturbed and subsequently screened with a flame ionization detector (FID). Borings were advanced in accordance with CATLIN's Standard Methods of Investigation included in Appendix A. Soil boring locations are presented on Figure 2.

Soil samples for general site characterization were obtained continuously from each borehole starting at the ground surface. Soils were described in the field by a geologist, trained in using visual/manual techniques as described in American Society for Testing and Material (ASTM) D-2488. The soils were classified in accordance with the Unified Soils Classification System (USCS) and a boring record of each borehole was produced. Boring logs are provided in Appendix B.

Field observations noted during boring installation indicate site soils to be comprised generally of interbedded fine sand and clayey sand to sandy clay.

All sampling was conducted in general accordance with CATLIN's Standard Methods, a copy of which has been provided in Appendix A. As required, soil samples were collected using an EnCore sampling apparatus, labeled with site location, borehole ID, date/time, and sampler and placed on ice in a cooler. Soil samples were shipped under proper Chain-of-Custody protocol to Accutest Laboratories (Accutest) located in Orlando, Florida for the following analysis:

- Volatile Organics per EPA Method 8260B.
- TPH per EPA 5035 and 3550B
- Metals per EPA Method 6010

Laboratory analysis included Level IV CLP-like data validation. Laboratory analytical reports are included in Appendix C and the data validation is included in Appendix D. The soil sample results can be summarized as follows:

<u>EPA METHOD 8260</u>

For regulatory compliance, the laboratory results were compared to NC IHSB SRGs, NC HWS SSLs, and US EPA Region 9 Industrial Risk PRGs. Methylene Chloride was identified in numerous soil samples at concentrations above the lowest established applicable standard (NC HWS SSL at 0.02 mg/kg). With the exception of sample FC100-SB26 (2-4') with a concentration of 0.0223 mg/kg, all reported results were flagged as estimated values and/or reportable concentrations in the

associated laboratory blank sample. Methylene Chloride is commonly used in laboratory process and the results are suspect in all samples except FC100-SB26 (2-4'). Naphthalene (5.12 mg/kg), n-Propylbenzene (5.96 mg/kg), 1,2,4-Trimethylbenzene (99.8 mg/kg), 1,3,5-Trimethylbenzene (39.1 mg/kg), and Total Xylenes (68.9 mg/kg) were identified in soil sample FC100-SB31 (6-8') above the lowest applicable standards (NC HWS SSL) of 0.585 mg/kg and 4.96 mg/kg, respectively. Additional samples contained reportable concentrations of various compounds for which there are no established applicable Standards. EPA Method 8260 laboratory soil results and applicable compliance levels are summarized on Table 1.

TPH per EPA METHODS 3550B AND 5035

One soil sample was collected from each probe location and submitted for laboratory analysis for TPH per EPA Methods 3550B and 5035 with prep method SW846 8015. Results were reported as TPH-GRO in the C6-C10 range and as "heavier" petroleum in the C10-C28 range and >C28 through C40 which will be referenced as constituents TPH-DRO and THP-ORO, respectively. There are no current NC IHSB SRG, NC HWS SSL, or US EPA Region 9 Industrial Risk PRGs for TPH therefore any concentration above the method detection limit (MDL) is considered reportable. The only soil sample with TPH-GRO above the MDL was FC100-SB14 (6-8') with a reported estimated concentration of 7.23 mg/kg. Ten soil samples were reported with concentrations of TPH-DRO above the MDL. These concentrations ranged from a low of 6.13 mg/kg in sample FC100-SB03 (2-4') to a high of 56.1 mg/kg in sample FC100-SB25 (2-4'). Twelve soil samples were reported with concentrations of TPH-ORO ranging from a low of 5.65 mg/kg in sample FC100-SB04 (4-6') to a high of 64.0 mg/kg in sample FC100-SB25 (2-4').

It should be noted that there are no current standards in North Carolina for ORO and the results are used for quantitative purposes only. A summary of the analytical reports for EPA Methods 3550B and 5035 soil results is presented on Table 2.

EPA METHOD 6010B

Review of the laboratory data as summarized on Table 3 indicates that numerous Metals were identified in each of the soil samples submitted for laboratory analysis. Arsenic was reported above the lowest applicable standard (US EPA Region 9 Industrial Risk PRG of 1.6 mg/kg) at a concentration of 3.3 mg/kg in sample FC100-SB03 (2-4'). Vanadium was identified above the lowest established standard (NC IHSB SRG of 15.6 mg/kg) in samples FC100-SB01 (2-4') and FC100-SB03 (2-4') at concentrations of 17.6 mg/kg and 16.8 mg/kg, respectively. Iron was identified in the majority of the samples at concentrations above the lowest applicable standard. There are no established applicable standards for Aluminum, Calcium, or Magnesium all of which were identified in numerous samples at concentrations above the MDLs and are therefore considered reportable. All of these metals including iron are naturally occurring in the Coastal Plain of North Carolina and do not appear to represent a non-natural impact. Laboratory results of the EPA Method 6010B analysis are summarized on Table 3.

E. GROUNDWATER INVESTIGATION

Collection of groundwater samples was accomplished via installation of temporary monitoring wells (TMWs) into soil borings subsequent to collection of applicable soil samples. Due to the topography of the subject site TMWs were installed to depths ranging from 12 to 20 feet BLS. CATLIN personnel installed and abandoned all temporary monitoring wells. All monitoring well installation and abandonment was conducted by North Carolina Licensed Well Contractors. Temporary monitoring well locations are presented on Figure 2. Temporary monitoring well FC100-TMW22 (at location SB22 on Figure 2) was destroyed during site activities by Marine Corps personnel prior to OSAGE personnel collecting a groundwater sample. Well construction as-built details and North Carolina Department of Environment and Natural Resources (NCDENR) - Division of Water Quality (DWQ) Non-residential Well Construction and Abandonment Records are included in Appendix B.

Groundwater samples were collected via peristaltic pump and clear polyethylene tubing in accordance with CATLIN Standard Methods of Investigation included in Appendix A. Samples were immediately placed on ice in the appropriate pre-labeled glassware then shipped under proper Chain-of-Custody protocol to Accutest for analysis per the following analysis:

- Volatile Organics + MTBE per EPA Method 8260.
- Semi-Volatile Organics per EPA Method 8270.

Laboratory analysis included Level IV CLP-like data validation. Laboratory analytical reports are included in Appendix C and the data validation is included in Appendix D. For regulatory compliance, results were compared to the 2L GWQS. The groundwater sample laboratory results are summarized as follows:

EPA METHOD 8260

Concentrations of Benzene were identified above the 2L GWQS of 1.0 µg/L in groundwater samples collected from TMW-16, TMW-19, and TMW-31 at concentrations of 35.9 µg/L, 56.5 µg/L, and 241 µg/L, respectively. Naphthalene (estimated value of 24.7 µg/L), Toluene (1,040 µg/L), and Total Xylenes (1,480 µg/L) were identified in the groundwater sample collected from TMW-19 at concentrations above their current 2L GWQSs of 21 µg/L, 1,000 µg/L, and 530 µg/L, respectively. In addition to Benzene, seven additional EPA Method 8260 constituents were identified above current 2L GWQS in the groundwater sample collected from TMW-31 including Ethylbenzene, Methylene Chloride, n-Propylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Toluene, and Total Xylenes. Groundwater laboratory results for EPA Method 8260 analysis are included on Table 4. Sample locations are presented on Figure 2.

EPA METHOD 8270

Groundwater laboratory analytical results for EPA Method 8270 analysis are

summarized on Table 5. 2-Methylnaphthalene was reported at concentrations above the 2L GWQS of 14 µg/L in sample TMW19 and TMW31 with concentrations of 16.2 µg/L and 36.2 µg/L, respectively. Naphthalene was identified in groundwater sample TMW19 at a concentration of 99.3 µg/L and TMW23 at a concentration of 118 µg/L which are both above the 2L GWQS for Naphthalene of 21 µg/L. No additional EPA Method 8270 compounds were identified above 2L GWQS. Sample locations are presented on Figure 2.

F. TEST PIT INVESTIGATION

Eleven test pits were dug under the direction of OSAGE personnel at select areas across the project area to address the potential for buried debris associated with operations conducted at the subject site. Soil removed from the test pits was screened with a PID and inspected for the presence of debris or evidence of petrochemical or other forms of impact. Where debris was encountered, the area of investigation surrounding the pit was expanded. Test pit locations are presented on Figure 2. Findings associated with the test pit investigation are as follows:

Test Pit 1 (FC100-TP1) - Camouflage netting, tents, poles, spent ammunition casings, and numerous other debris associated with field deployment operations were encountered and subsequently removed. No measurable PID reading or visible staining from petroleum related impact was noted.

Test Pit 7 (FC100-TP7) - Rubber mud-flaps were unearthed in the immediate vicinity of the pit. PID readings of soils removed from the pit ranged from 0.0 ppm to 8.7 ppm. No visible staining or potential source areas were noted in the pit.

Test Pit 10 (FC100-TP10) - No debris was noted in the excavation. PID reading of soils removed during the excavation ranged from 0.0 ppm to 3.7 ppm. No visible staining or potential source areas were noted in the pit.

No additional debris, staining, or PID readings above 0.0 ppm were noted in the remaining test pits. All pits were backfilled with soils excavated during the advancement of the pits to existing grade. Debris removed from FC100-TP1 and FC100-TP7 were transported and disposed at the MCB, Camp Lejeune landfill. Photographs documenting the findings in each pit are included in Appendix E.

G. CONCLUSIONS

In summary, petroleum impact to the subsurface soils above established SRG, SSL, or PRG levels was encountered only in sample FC100-SB31 (6-8') collected at the northeast corner on Building FC100. Petroleum impact as TPH was reported in numerous soil samples collected during the investigation from the northwestern, central to north central, and south eastern portion of the subject area. There are no current SRG, SSL, or PRG TPH standards. Petrochemical impact to groundwater in

excess of current 2L GWQS was identified in three samples collected to the immediate north of Building FC100. The estimated extent of petrochemical impact at the subject site is presented on Figure 3.

H. RECOMMENDATIONS

Based on the low levels of petroleum impact to the soils identified within the area of interest, an engineered cap such as the proposed asphalt will mitigate the potential for human exposure through dermal contact or inhalation. Additionally, the engineered cap will create an impervious surface eliminating the infiltration of precipitation through the impacted soils. Installation of permanent groundwater monitoring wells is recommended to address the identified groundwater impact in excess of 2L GWQS. The wells should be installed by a North Carolina Licensed Well Contractor in and around the areas of confirmed groundwater impact to accommodate any additional groundwater monitoring or assessment.

Implementation of land use controls will be necessary at the site to ensure that future site use is restricted to industrial and/or military operations. Recordation of the site should be conducted in accordance with North Carolina General Statute 130A-310.8

I. LIMITATIONS

The soil and groundwater samples analyzed as part of this investigation only provide isolated data points and may not represent conditions at every location in the project area. Analyses and conclusions of this report, being based on interpolation between data points at the project area, may not be completely representative of all site conditions. Conclusions and recommendations of this investigation and report are based on the best available data in an effort to comply with current regulatory requirements.

TABLES

TABLE 1
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8260

Incident Name: FC-100

Sample ID	Contaminant of Concern →		Acetone	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride*	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	All Other EPA Method 8260 Analytes
	Date Collected	Sample Depth (ft. BLS)														
NC IHSB SRG			2,800	NE	NE	380	114	NE	9.1	11.2	NE	132	NE	NE	54	Varies
NC HWS SSL			2.81	4.31	3.33	4.57	1.68	NE	0.0202	0.585	1.71	7.27	7.49	7.33	4.96	Varies
US EPA Region 9 Industrial Risk PRG			5,500	240	220	20	2,200	NE	21	190	240	520	170	70	420	Varies
FC100-SB01 (2-4')	4/24/2008	2-4	<0.057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	**0.0085 J**	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.017	BMDL
FC100-SB02 (2-4')	4/24/2008	2-4	<0.068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	**0.0093 J**	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.020	BMDL
FC100-SB03 (2-4')	4/24/2008	2-4	<0.061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	**0.0116 J**	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.018	BMDL
FC100-SB04 (4-6')	4/24/2008	4-6	<0.063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	**0.0113 J**	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.019	BMDL
FC100-SB05 (2-4')	4/24/2008	2-4	<0.072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	**0.0318 B**	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.021	BMDL
FC100-SB06 (2-4')	4/24/2008	2-4	<0.069	<0.0068	<0.0069	<0.0069	<0.0069	<0.0069	**0.0197**	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.021	BMDL
FC100-SB07 (4-6')	4/23/2008	4-6	<0.067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	**0.0382 B**	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.020	BMDL
FC100-SB08 (4-6')	4/23/2008	4-6	<0.073	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	**0.0383 B**	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	<0.022	BMDL
FC100-SB09 (2-4')	4/23/2008	2-4	<0.067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	**0.0261 B**	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.020	BMDL
FC100-SB10 (2-4')	4/23/2008	2-4	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	**0.0199 B**	<0.0059	<0.0059	**0.0018 J**	<0.0059	<0.0059	<0.018	BMDL
FC100-SB11 (2-4')	4/24/2008	2-4	<0.066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	**0.0101 J**	<0.0066	<0.0066	**0.0018 J**	<0.0066	<0.0066	<0.020	BMDL
FC100-SB12 (2-4')	4/23/2008	2-4	<0.063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	**0.0266 B**	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.019	BMDL
FC100-SB13 (2-4')	4/23/2008	2-4	<0.066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	**0.0162 B**	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.020	BMDL
FC100-SB14 (6-8')	4/15/2008	6-8	**0.03 J**	**0.0019 J**	**0.0033 J**	<0.0056	<0.0056	<0.0056	**0.0095 JB**	**0.0046 J**	<0.0056	<0.0056	<0.0056	<0.0056	<0.017	BMDL
FC100-SB15 (4-6')	4/15/2008	4-6	<0.07	<0.007	<0.007	<0.007	<0.007	<0.007	**0.0279 B**	<0.007	<0.007	<0.007	<0.007	<0.007	<0.021	BMDL
FC100-SB16 (6-8')	4/23/2008	6-8	<0.084	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	**0.0159 JB**	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	<0.025	BMDL
FC100-SB17 (6-8')	4/15/2008	6-8	<0.074	<0.0074	<0.0074	<0.0074	<0.0074	<0.0074	**0.0189 B**	<0.0074	<0.0074	<0.0074	<0.0074	<0.0074	<0.022	BMDL
FC100-SB18 (6-8')	4/15/2008	6-8	<0.075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	**0.0204 B**	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.022	BMDL
FC100-SB19 (6-8')	4/21/2008	6-8	<0.065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.019	BMDL
FC100-SB20 (4-6')	4/15/2008	4-6	<0.064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	**0.0444 B**	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.019	BMDL
FC100-SB21 (4-6')	4/15/2008	4-6	<0.068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	**0.0328 B**	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.021	BMDL
FC100-SB22 (2-4')	4/22/2008	2-4	**0.0446 J**	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	**0.0105 JB**	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.020	BMDL
FC100-SB23 (2-4')	4/22/2008	2-4	**0.063**	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	**0.0349**	<0.0062	<0.0062	<0.0062	**0.0017 J**	<0.0062	<0.019	BMDL
FC100-SB24 (2-4')	4/22/2008	2-4	<0.064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	**0.0118 JB**	**0.0033 J**	<0.0064	**0.0021 J**	<0.0064	<0.0064	<0.019	BMDL

TABLE 1
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8260

Incident Name: FC-100

Sample ID	Contaminant of Concern →		Acetone	n-Butylbenzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride*	Naphthalene	n-Propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	All Other EPA Method 8260 Analytes
	Date Collected	Sample Depth (ft. BLS)														
NC IHSB SRG			2,800	NE	NE	380	114	NE	9.1	11.2	NE	132	NE	NE	54	Varies
NC HWS SSL			2.81	4.31	3.33	4.57	1.68	NE	0.0202	0.585	1.71	7.27	7.49	7.33	4.96	Varies
US EPA Region 9 Industrial Risk PRG			5,500	240	220	20	2,200	NE	21	190	240	520	170	70	420	Varies
FC100-SB25 (2-4')	4/22/2008	2-4	**0.0919**	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	**0.0069 J**	<0.0068	<0.0068	<0.0068	**0.0018 J**	<0.0068	<0.020	BMDL
FC100-SB26 (2-4')	4/22/2008	2-4	**0.0326 J**	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	**0.0223**	<0.0064	<0.0064	<0.0064	**0.0025 J**	<0.0064	<0.019	BMDL
FC100-SB27 (2-4')	4/21/2008	2-4	<0.070	<0.0070	<0.0070	<0.0070	<0.0070	<0.0070	**0.0111 J**	<0.0070	<0.0070	<0.0070	<0.0070	<0.0070	<0.021	BMDL
FC100-SB28 (4-6')	4/15/2008	4-6	<0.081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	**0.0418 B**	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.024	BMDL
FC100-SB29 (2-4')	4/15/2008	2-4	<0.064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	**0.0404 B**	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.019	BMDL
FC100-SB30 (4-6')	4/15/2008	4-6	<0.073	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	**0.0297 B**	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	<0.022	BMDL
FC100-SB31 (6-8')	4/21/2008	6-8	<2.80	**2.99**	**0.604**	**3.67**	**0.666**	**0.475**	**1.09 B**	**5.12**	**5.96**	**0.372**	**99.8**	**39.1**	**68.9**	BMDL
FC100-SB32 (6-8')	4/15/2008	6-8	<0.075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	**0.0276 B**	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.023	BMDL
FC100-SB33 (4-6')	4/15/2008	4-6	<0.086	<0.0086	<0.0086	<0.0086	<0.0086	<0.0086	**0.0363 B**	<0.0086	<0.0086	<0.0086	<0.0086	<0.0086	<0.026	BMDL
FC100-SB34 (2-4')	4/15/2008	2-4	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	**0.0253 B**	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.018	BMDL
FC100-SB35 (2-4')	4/22/2008	2-4	<0.066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	**0.0176 B**	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.020	BMDL
FC100-SB36 (2-4')	4/22/2008	2-4	**0.0339 J**	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	**0.0102 J**	<0.0061	<0.0061	**0.002 J**	**0.0031 J**	<0.0061	<0.018	BMDL

All results in milligrams per kilogram (mg/kg).
BMDL = Below Method Detection Limit
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
NE = None Established
Bold results indicate concentrations above the laboratory method detection limit.
Shaded results indicate concentrations above lowest applicable standard.
ft. BLS = Feet Below Land Surface
< = Less than method detection limit
* = Laboratory Narrative states Methylene Chloride suspected laboratory artifact.
NC IHSB SRG = North Carolina Inactive Hazardous Sites Branch Soil Remediation Goal
NC HWS SSL = North Carolina Hazardous Waste Section Soil Screening Level
US EPA Region 9 Industrial Risk PRG = US EPA Region 9 Industrial Risk Preliminary Remediation Goal

TABLE 2
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHODS 5035 & 3550B

Incident Name: FC-100

Sample ID	Contaminant of Concern →		TPH-GRO (C6 - C10)	TPH-DRO (C10 - C28)	TPH-ORO (> C28 - C40)
	Date Collected	Sample Depth (ft. BLS)			
CN IHSB SRG			NE	NE	NE
NC HWS SSL			NE	NE	NE
US EPA Region 9 Industrial Risk PRG			NE	NE	NE
FC100-SB01 (2-4')	4/24/2008	2-4	<6.7	<10	<10
FC100-SB02 (2-4')	4/24/2008	2-4	<6.9	<8.7	<8.7
FC100-SB03 (2-4')	4/24/2008	2-4	<7.2	**6.13 J**	<10
FC100-SB04 (4-6')	4/24/2008	4-6	<7.4	<9.2	**5.65 J**
FC100-SB05 (2-4')	4/24/2008	2-4	<8.1	<10	<10
FC100-SB06 (2-4')	4/24/2008	2-4	<7.0	**24.6 J**	**7.85 J**
FC100-SB07 (4-6')	4/23/2008	4-6	<7.0	<8.9	<8.9
FC100-SB08 (4-6')	4/23/2008	4-6	<7.3	<8.9	<8.9
FC100-SB09 (2-4')	4/23/2008	2-4	<7.4	<9.6	**5.89 J**
FC100-SB10 (2-4')	4/23/2008	2-4	<7.0	<10	<10
FC100-SB11 (2-4')	4/24/2008	2-4	<7.0	<9.2	**8.41 J**
FC100-SB12 (2-4')	4/23/2008	2-4	<7.0	<9.5	<9.5
FC100-SB13 (2-4')	4/23/2008	2-4	<7.0	**7.74 J**	**19.8 J**
FC100-SB14 (6-8')	4/15/2008	6-8	**7.23 J**	**21.1**	**25.7**
FC100-SB15 (4-6')	4/15/2008	4-6	<7.3	<9.0	<9.0
FC100-SB16 (6-8')	4/23/2008	6-8	<11	<11	<11
FC100-SB17 (6-8')	4/15/2008	6-8	<7.3	<8.8	<8.8
FC100-SB18 (6-8')	4/15/2008	6-8	<7.4	<8.9	<8.9
FC100-SB19 (6-8')	4/21/2008	6-8	<6.8	<9.0	<9.0
FC100-SB20 (4-6')	4/15/2008	4-6	<7.1	<9.0	<9.0
FC100-SB21 (4-6')	4/15/2008	4-6	<14	<9.2	**6.46 J**
FC100-SB22 (2-4')	4/22/2008	2-4	<7.4	**11.1**	**60.2**
FC100-SB23 (2-4')	4/22/2008	2-4	<7.0	<9.6	<9.6
FC100-SB24 (2-4')	4/22/2008	2-4	<7.1	**15.6**	**38.5**

TABLE 2
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHODS 5035 & 3550B

Incident Name: FC-100

Sample ID	Contaminant of Concern →		TPH-GRO (C6 - C10)	TPH-DRO (C10 - C28)	TPH-ORO (> C28 - C40)
	Date Collected	Sample Depth (ft. BLS)			
CN IHSB SRG			NE	NE	NE
NC HWS SSL			NE	NE	NE
US EPA Region 9 Industrial Risk PRG			NE	NE	NE
FC100-SB25 (2-4')	4/22/2008	2-4	<7.4	**56.1**	**64.0**
FC100-SB26 (2-4')	4/22/2008	2-4	<7.3	<9.2	<9.2
FC100-SB27 (2-4')	4/21/2008	2-4	<7.0	**9.55**	**21.0**
FC100-SB28 (4-6')	4/15/2008	4-6	<9.1	<10	<10
FC100-SB29 (2-4')	4/15/2008	2-4	<6.8	<10	<10
FC100-SB30 (4-6')	4/15/2008	4-6	<7.9	<9.0	<9.0
FC100-SB31 (6-8')	4/21/2008	6-8	<6.8	**25.7**	<9.0
FC100-SB32 (6-8')	4/15/2008	6-8	<6.5	<8.8	<8.8
FC100-SB33 (4-6')	4/15/2008	4-6	<10	<11	<11
FC100-SB34 (2-4')	4/15/2008	2-4	<7.1	<9.4	<9.4
FC100-SB35 (2-4')	4/22/2008	2-4	<7.9	<10	**7.28 J**
FC100-SB36 (2-4')	4/22/2008	2-4	<6.9	**29.8**	<9.5

All results in milligrams per kilogram (mg/kg).
NE = None Established
Bold results indicate concentrations above the laboratory method detection limit.
Shaded results indicate concentrations above lowest applicable standard.
ft. BLS = Feet Below Land Surface
< = Less than method detection limit
TPH - GRO = Total Petroluem Hydrocarbons - Gasoline Range Organics
TPH - DRO = Total Petroluem Hydrocarbons - Diesel Range Organics
TPH - ORO = Total Petroluem Hydrocarbons - Oil Range Organics
J = Estimated value
NC IHSB SRG = North Carolina Inactive Hazardous Sites Branch Soil Remediation Goal
NC HWS SSL = North Carolina Hazardous Waste Section Soil Screening Level
US EPA Region 9 Industrial Risk PRG = US EPA Region 9 Industrial Risk Preliminary Remediation Goal

TABLE 3
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 6010B

Incident Name: FC-100

Sample ID	Contaminant of Concern →		Aluminum	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Magnesium	Manganese	Nickel	Vanadium	Zinc	All Other EPA Method 6010B Analytes
	Date Collected	Sample Depth (ft. BLS)													
NC IHSB SRG			NE	4.4	NE	NE	44	620	NE	NE	360	320	15.6	4,600	Varies
NC HWS SSL			NE	5.24	848	NE	27.2	704	65.2	NE	NE	56.4	NE	550	Varies
US EPA Region 9 Industrial Risk PRG			NE	1.6	67,000	NE	450	41,000	19,000	NE	NE	20,000	7,200	100,000	Varies
FC100-SB01 (2-4')	4/24/2008	2-4	**10,100**	**1.0**	**19.3**	**884**	**13.5**	<1.5	**3,660**	**332**	**4.3**	<2.3	**17.6**	**3.9**	BMDL
FC100-SB02 (2-4')	4/24/2008	2-4	**805**	<0.42	<10	<260	**1.2**	<1.3	**295**	<260	**4.7**	<2.1	<2.6	<1.0	BMDL
FC100-SB03 (2-4')	4/24/2008	2-4	**7,460**	**3.3**	<11	<290	**12.2**	**1.9**	**6,320**	**351**	**5.8**	<2.3	**16.8**	**4.5**	BMDL
FC100-SB04 (4-6')	4/24/2008	4-6	**2,720**	<0.43	<11	**593**	**2.6**	<1.3	**1,180**	<270	**5.4**	<2.1	**3.6**	**2.0**	BMDL
FC100-SB05 (2-4')	4/24/2008	2-4	**3,620**	<0.48	<12	**340**	**3.9**	<1.5	**2,000**	<300	**6.5**	<2.4	**5.2**	**2.0**	BMDL
FC100-SB06 (2-4')	4/24/2008	2-4	**3,760**	**0.76**	<11	**1,510**	**6.1**	<1.3	**2,490**	<270	**3.0**	<2.1	**8.6**	**2.0**	BMDL
FC100-SB07 (4-6')	4/23/2008	4-6	**1,360**	<0.41	<10	<250	**1.3**	<1.3	**400**	<250	**1.2**	<2.0	<2.5	**1.2**	BMDL
FC100-SB08 (4-6')	4/23/2008	4-6	**1,450**	<0.42	<10	<260	**1.7**	<1.3	**568**	<260	**1.6**	<2.1	<2.6	**1.1**	BMDL
FC100-SB09 (2-4')	4/23/2008	2-4	**1,570**	<0.45	<11	**394**	**1.6**	<1.4	**560**	<280	**2.2**	<2.2	<2.8	**1.3**	BMDL
FC100-SB10 (2-4')	4/23/2008	2-4	**11,700**	**0.65**	**20.6**	**647**	**10.9**	<1.5	**3,050**	**345**	**5.2**	**2.4**	**14.6**	**4.9**	BMDL
FC100-SB11 (2-4')	4/24/2008	2-4	**2,840**	<0.43	<11	<270	**2.0**	<1.4	**865**	<270	**1.7**	<2.2	**3.0**	<1.1	BMDL
FC100-SB12 (2-4')	4/23/2008	2-4	**1,600**	<0.46	<11	**350**	**1.7**	<1.4	**441**	<290	**1.6**	<2.3	<2.9	**2.1**	BMDL
FC100-SB13 (2-4')	4/23/2008	2-4	**1,050**	<0.43	<11	**11,300**	**2.3**	**1.6**	**464**	<270	**2.9**	<2.1	<2.7	**8.7**	BMDL
FC100-SB14 (6-8')	4/15/2008	6-8	**2,630**	<0.44	<11	**411**	**2.3**	<1.4	**856**	<270	**2.8**	<2.2	**3.0**	**3.5**	BMDL
FC100-SB15 (4-6')	4/15/2008	4-6	**3,770**	<0.41	<10	**295**	**2.7**	<1.3	**1,050**	<250	**1.4**	<2.0	**2.6**	**13.7**	BMDL
FC100-SB16 (6-8')	4/23/2008	6-8	**3,070**	<0.54	<13	<340	**3.8**	<1.7	**1,330**	<340	**23.9**	<2.7	**5.7**	**3.1**	BMDL
FC100-SB17 (6-8')	4/15/2008	6-8	**1,400**	<0.40	<10	<250	**1.7**	<1.3	**345**	<250	**10.8**	<2.0	<2.5	<1.0	BMDL
FC100-SB18 (6-8')	4/15/2008	6-8	**1,450**	<0.43	<11	<270	**1.9**	<1.3	**439**	<270	**1.7**	<2.1	<2.7	<1.1	BMDL
FC100-SB20 (4-6')	4/15/2008	4-6	**7,890**	**1.3**	**16.5**	<270	**8.6**	**1.7**	**3,480**	<270	**7.5**	**2.7**	**11.8**	**4.4**	BMDL
FC100-SB21 (4-6')	4/15/2008	4-6	**2,510**	<0.42	<11	<260	**2.9**	<1.3	**729**	<260	**2.6**	<2.1	**3.7**	**1.1**	BMDL
FC100-SB28 (4-6')	4/15/2008	4-6	**1,550**	<0.48	<12	<300	**2.3**	<1.5	**556**	<300	**1.7**	<2.4	<3.0	<1.2	BMDL
FC100-SB29 (2-4')	4/15/2008	2-4	**6,100**	**0.71**	<12	**6,000**	**6.8**	**1.7**	**1,900**	**311**	**8.7**	<2.4	**8.0**	**5.1**	BMDL
FC100-SB30 (4-6')	4/15/2008	4-6	**1,940**	**0.54**	<10	<260	**3.1**	<1.3	**978**	<260	**1.4**	<2.1	**5.5**	<1.0	BMDL
FC100-SB32 (6-8')	4/15/2008	6-8	**2,430**	<0.41	<10	**315**	**3.7**	<1.3	**723**	<260	**2.6**	**2.4**	<2.6	**1.6**	BMDL

TABLE 3
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 6010B

Incident Name: FC-100

Sample ID	Contaminant of Concern →		Aluminum	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Magnesium	Manganese	Nickel	Vanadium	Zinc	All Other EPA Method 6010B Analytes
	Date Collected	Sample Depth (ft. BLS)													
NC IHSB SRG			NE	4.4	NE	NE	44	620	NE	NE	360	320	15.6	4,600	Varies
NC HWS SSL			NE	5.24	848	NE	27.2	704	65.2	NE	NE	56.4	NE	550	Varies
US EPA Region 9 Industrial Risk PRG			NE	1.6	67,000	NE	450	41,000	19,000	NE	NE	20,000	7,200	100,000	Varies
FC100-SB33 (4-6')	4/15/2008	4-6	**6,720**	**0.57**	**13.9**	<330	**6.6**	<1.6	**683**	<330	**2.2**	<2.6	**3.7**	**1.9**	BMDL
FC100-SB34 (2-4')	4/15/2008	2-4	**7,710**	**0.66**	<11	<280	**9.2**	<1.4	**2,630**	<280	**3.9**	<2.2	**11.3**	**3.8**	BMDL

All results in milligrams per kilogram (mg/kg).
BMDL = Below Method Detection Limit
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
NE = None Established
Bold results indicate concentrations above the laboratory method detection limit.
Shaded results indicate concentrations above lowest applicable standard.
ft. BLS = Feet Below Land Surface
< = Less than method detection limit
SRG = North Carolina Inactive Hazardous Sites Branch Soil Remediation Goal
NC HWS SSL = North Carolina Hazardous Waste Section Soil Screening Level
US EPA Region 9 Industrial Risk PRG = US EPA Region 9 Industrial Risk Preliminary Remediation Goal

TABLE 4
SUMMARY OF GROUNDWATER LABORATORY RESULTS
EPA METHOD 8260

Incident Name: FC-100

Well ID	Contaminant of Concern →		Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroform	Ethylbenzene	Isopropylbenzene	Methylene Chloride	Methyl Ethyl Ketone	Methyl Tert Butyl Ether	Naphthalene	n-Propylbenzene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Toluene	Total Xylenes	All Other EPA Method 8260 Analytes
	Sample ID	Date Collected																			
2L GWQS (µg/L)			700	1	70	70	70	550	70	4.6	4,200	200	21	70	NE	70	350	350	1,000	530	Varies
TMW02	TMW02	4/25/2008	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	BMDL
TMW04	TMW04	4/25/2008	**49.9**	<1.0	<1.0	**0.29 J**	<1.0	**0.24 J**	**0.28 J**	<5.0	**4.8 J**	<1.0	<2.0	**0.99 J**	<1.0	<1.0	**15.8**	**8.5**	<1.0	**0.81 J**	BMDL
TMW08	SB08	4/24/2008	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	**4.7**	<1.0	<1.0	<1.0	<2.0	<2.0	**0.56 J**	<3.0	BMDL
TMW09	TMW09	4/25/2008	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	BMDL
TMW10	TMW10	4/25/2008	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	BMDL
TMW12	TMW12	4/25/2008	<25	<1.0	<1.0	**0.26 J**	<1.0	<1.0	**0.43 J**	<5.0	<5.0	<1.0	**4.3**	<1.0	<1.0	<1.0	**5.2**	**1.1 J**	<1.0	<3.0	BMDL
TMW14	TMW14	4/15/2008	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	BMDL
TMW16	SB16	4/24/2008	<25	**35.9**	<1.0	<1.0	<1.0	**30.1**	<1.0	<5.0	<5.0	<1.0	**2.5**	<1.0	<1.0	<1.0	<2.0	**5.3**	<1.0	<3.0	BMDL
TMW17	TMW17	4/15/2008	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	BMDL
TMW19	TMW19	4/22/2008	<500	**56.5**	<20	<20	<20	**337**	<20	<100	<100	<20	**24.7 J**	**14.9 J**	<20	<20	**249**	**67.6**	**1,040**	**1,480**	BMDL
TMW20	TMW20	4/15/2008	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	BMDL
TMW23	TMW23	4/22/2008	<25	<1.0	**0.40 J**	**0.52 J**	<1.0	<1.0	**0.42 J**	<5.0	<5.0	<1.0	**7.5**	**0.48 J**	**0.29 JB**	<1.0	**0.68 J**	<2.0	<1.0	**1.6 J**	BMDL
TMW24	TMW24	4/22/2008	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	BMDL
TMW26	TMW26	4/22/2008	<25	**0.38 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	**0.69 J**	<1.0	**0.43 JB**	**0.33 J**	**1.0 J**	**0.69 J**	<1.0	**0.88 J**	BMDL
TMW28	TMW28	4/15/2008	<25	<1.0	**0.61 J**	**1.0**	**0.32 J**	**0.31 J**	**1.2**	<5.0	<5.0	**1.5**	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	BMDL
TMW31	TMW31	4/22/2008	<5,000	**241**	<200	<200	<200	**2,220**	**46.5 J**	**253 J**	<1,000	<200	<400	**226**	<200	<200	**1,790**	**625**	**14,600**	**12,100**	BMDL
TMW32	TMW32	4/15/2008	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	BMDL

All Well and Sample IDs prefaced with "FC100-"
All results in micrograms per liter (µg/L).
BMDL = Below Method Detection Limit
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
NE = None Established
Bold results indicate concentrations above the laboratory method detection limit.
Shaded results indicate concentrations above 2L GWQS.
2L GWQS = NCAC T15A:02L Groundwater Quality Standards
< = Less than method detection limit

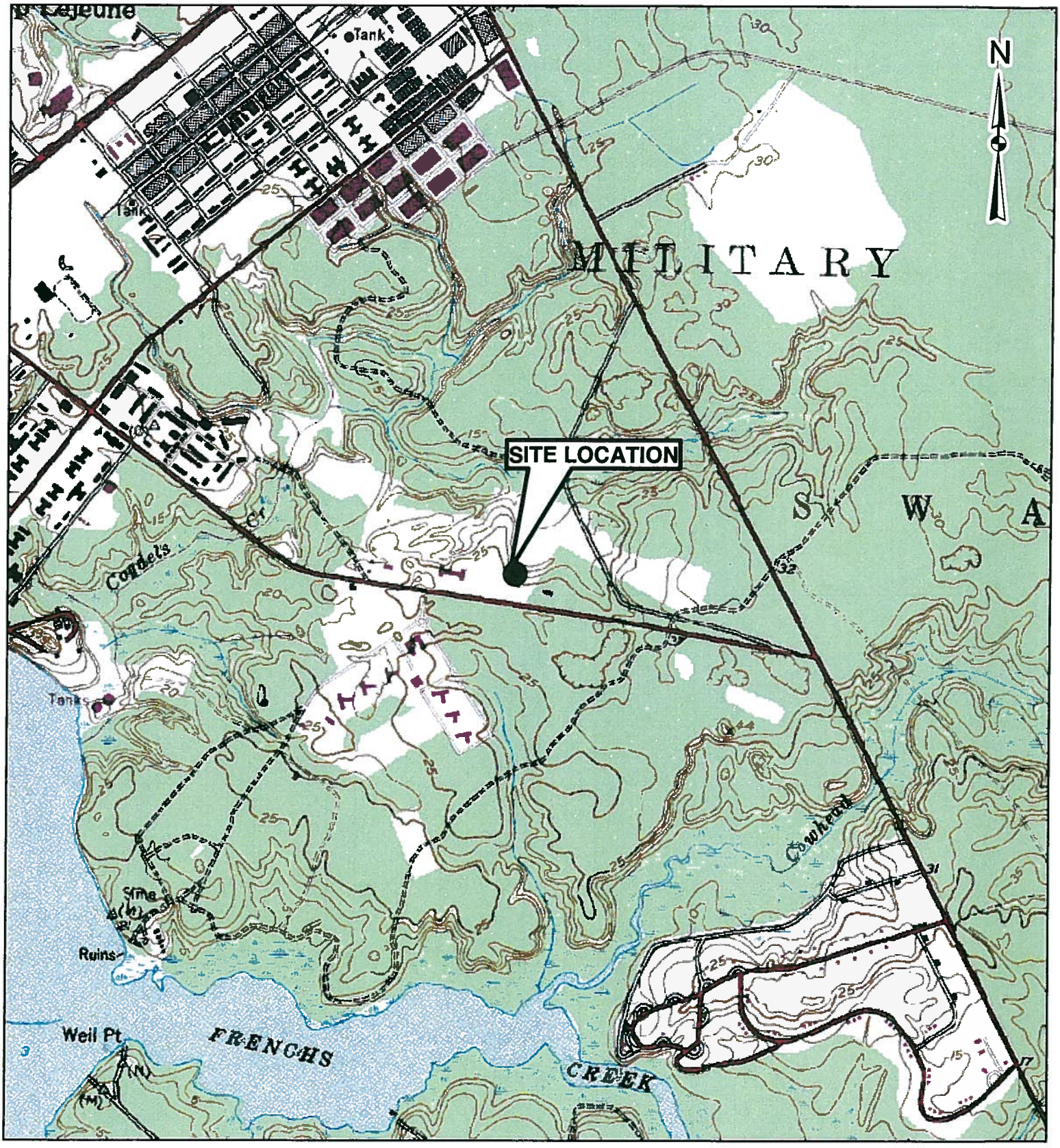
TABLE 5
SUMMARY OF GROUNDWATER LABORATORY RESULTS
EPA METHOD 8270

Incident Name: FC-100

Well ID	Contaminant of Concern →		2,4-Dimethylphenol	2-Methylphenol	3&4-Methylphenol	Phenol	2-Methylnaphthalene	Naphthalene	All Other EPA Method 8270 Analytes
	Sample ID	Date Collected							
2L GWQS (µg/L)			140	NE	38.5	300	14	21	Varies
TMW02	TMW02	4/25/2008	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	BMDL
TMW04	TMW04	4/25/2008	<5.1	**2.0 J**	**4.7 J**	**5.4**	<5.1	**2.2 J**	BMDL
TMW08	SB08	4/24/2008	<5.0	<5.0	<5.0	<5.0	<5.0	**1.3 J**	BMDL
TMW09	TMW09	4/25/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	BMDL
TMW10	TMW10	4/25/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	BMDL
TMW12	TMW12	4/25/2008	<4.9	<4.9	<4.9	<4.9	<4.9	**2.6 J**	BMDL
TMW14	TMW14	4/15/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	BMDL
TMW16	SB16	4/24/2008	<4.8	<4.8	<4.8	<4.8	<4.8	**3.0 J**	BMDL
TMW17	TMW17	4/15/2008	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	BMDL
TMW19	TMW19	4/22/2008	**42.5**	**16.4**	**9.5**	<4.8	**16.2**	**99.3**	BMDL
TMW20	TMW20	4/15/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BMDL
TMW23	TMW23	4/22/2008	<4.8	<4.8	<4.8	<4.8	**5.6**	**2.3 J**	BMDL
TMW24	TMW24	4/22/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	BMDL
TMW26	TMW26	4/22/2008	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	BMDL
TMW28	TMW28	4/15/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BMDL
TMW31	TMW31	4/22/2008	**19.3**	<4.9	**8.9**	<4.9	**36.2**	**118**	BMDL
TMW32	TMW32	4/15/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BMDL

All Well and Sample IDs prefaced with "FC100-"
All results in micrograms per liter (µg/L).
BMDL = Below Method Detection Limit
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
NE = None Established
Bold results indicate concentrations above the laboratory method detection limit.
Shaded results indicate concentrations above 2L GWQS.
2L GWQS = NCAC T15A:02L Groundwater Quality Standards
< = Less than method detection limit

FIGURES



From: USGS Camp LeJeune, NC. Topographic Quadrangle (Dated 1971)

CATLIN Engineers and Scientists

PROJECT	TITLE	FIGURE
SITE FC-100 REPORT OF FINDINGS MARINE CORPS BASE CAMP LEJEUNE, NC	**SITE VICINITY MAP**	**1**

JOB NO.	DATE	SCALE	DRAWN BY	CHECKED BY
208-016	JUNE 2008	1"=500'	SAC	SVH

MCB CAMP LEJEUNE
REPORT OF FINDINGS
FC-100

NAVFAC
Naval Facilities Engineering Command

N

SB01
TMW10
SB11
TMW24
SB03
TP07
TMW02
TMW09
TP09
SB25
SB36
TP01
TP08
TMW04
TMW12
TMW23
TP02
SB35
SB05
TMW08
TMW26
TP06
SB06
TP05
SB13
SB22
SB07
SB27
TP10
SB34
TP03
TMW14
SB18
SB21
TP04
TMW28
TP11
SB29
FC101
SFC07
SFC102
TMW17
SB15
TMW20
SB30
TMW16
TMW32
TMW19
TMW31
SB33
FC120
FC100
FC141
FC140
FC139
FC138
FC137
FC136
FC190
FC195
Limits of Proposed Paving (Approximately 10 Acres)
McHUGH BOULEVARD

100 50 0 100 Feet
SCALE

LEGEND

- Soil Sample
- Groundwater Sample
- Test Pit
- Monitoring Wells

Walls and Fences
- FENCE
- GATE
- WALL

- Buildings and Structures
- Demolished Structures
- Oil/Water Separators
- Slabs
- Roads
- Driveways
- Parking Lots
- Surface Water Bodies
- Creeks and Streams

Vegetation Cover
- Forestland
- Scrubland
- Wetland

NOTES

1. Base data provided by MCB Camp Lejeune GIS Department. Sample location data obtained via mapping-grade GPS unit.
2. All soil, groundwater and test pit sample locations prefaced with "FC100-".
3. All sample locations are approximate.
4. Temporary monitoring wells were set at each groundwater sample location.
5. Soil samples collected from "TMW" locations identified as "SB".

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SITE PLAN

FIGURE 2

Job No.:	Date:	Scale:	Drawn By:	Checked By:
208-016	JUNE 2008	AS SHOWN	SAC	SVH

MCB CAMP LEJEUNE
REPORT OF FINDINGS
FC-100

NAVFAC
Naval Facilities Engineering Command

N

SB01
TMW10
SB11
TMW24
SB03
TP07
TMW09
TMW02
TP09
SB25
SB36
TP01
TP08
TMW04
TMW12
TMW23
TP02
SB35
SB05
TMW08
TMW26
TP06
SB06
SB13
TP05
SB07
SB22
SB27
TP10
SB34
TMW14
TP03
Limits of Proposed Paving
(Approximately 10 Acres)
SB18
SB21
TP04
TMW28
TP11
SB29
FC101
SFC97
SFC102
TMW17
SB15
TMW20
TMW16
SB30
TMW32
TMW19
TMW31
SB33
FC100
FC120
FC190
FC195
FC141
FC140
FC139
FC138
FC137
FC136
McHUGH BOULEVARD

100 50 0 100 Feet
SCALE

LEGEND

- Soil Sample
- Groundwater Sample
- Test Pit
- Monitoring Wells

Contaminant Plumes
- Soil - EPA 8260 compounds above NC HWS SSL
- Soil - TPH Impacted
- Groundwater Contamination above 2L GWQS

Walls and Fences
- FENCE
- GATE
- WALL

- Buildings and Structures
- Demolished Structures
- Oil/Water Separators
- Slabs
- Roads
- Driveways
- Parking Lots
- Surface Water Bodies
- Creeks and Streams

Vegetation Cover
- Forestland
- Scrubland
- Wetland

NOTES

1. Base data provided by MCB Camp Lejeune GIS Department. Sample location data obtained via mapping-grade GPS unit.
2. All soil, groundwater and test pit sample locations prefaced with "FC100-".
3. All sample locations are approximate.
4. Temporary monitoring wells were set at each groundwater sample location.
5. Soil samples collected from "TMW" locations identified as "SB".

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ESTIMATED EXTENT OF IMPACT

FIGURE 3

Job No.:	Date:	Scale:	Drawn By:	Checked By:
208-016	JUNE 2008	AS SHOWN	SAC	SVH

APPENDICES

APPENDIX A

CATLIN STANDARD METHODS OF INVESTIGATION

CATLIN STANDARD METHODS OF INVESTIGATION

1.0 DATA COLLECTION

1.1 BACKGROUND DATA

Background data and history information relevant to the site investigation is generated through numerous sources. These sources may include, but are not limited to, the following:

- Conversations with the client and regulatory officials involved with the incident.
- Review of pertinent regulatory correspondence.
- Review of previous and existing reports and other technical data.
- Review of available historical records.

1.2 SURVEYS AND POTENTIAL RECEPTOR DATA

Physical survey and potential receptor data are collected in accordance with the intended level of investigation. In general, the purpose is to collect sufficient information for site assessment and corrective action planning.

Individual receptors are identified and evaluated in the context of their potential for contaminant impact. Potential receptors of contamination can include surface water bodies, groundwater supply wells, wellhead protection areas, and subsurface building structures.

1.2.1 Horizontal Survey

Horizontal survey data are generated using either accepted general field surveying techniques, or existing survey maps; or by using a combination of existing data and field generated information. The survey area generally extends to a point at least 50 feet beyond suspected plume boundaries. A receptor scale survey of a larger area surrounding a site will be made if appropriate and necessary.

1.2.2 Vertical Survey

A vertical survey is conducted at the site typically within an accuracy of 0.01 foot. The datum plane is generally assumed unless otherwise noted. Assumed temporary benchmarks (TBM) are selected near ground level. The vertical survey includes such points as top of all well casings, selected ground shots, important utility inverts, utility fluid levels, important surface water levels, and other items determined to be significant.

1.3 DRILLING AND MONITORING WELL/PIEZOMETER INSTALLATION

Necessary permits are applied for and obtained in accordance with federal, state, and local requirements prior to drilling or well construction activities. Additionally, the well locations are scanned for underground utilities prior to conducting intrusive subsurface activities. Wells are installed under applicable licensing requirements, and are designed and constructed in accordance with accepted standards and practices. Any wells purposely installed at off-site locations are permitted through appropriate right-of-entry agreements with all necessary property owners and/or their agents.

1.3.1 Drilling Methods and Subsurface Data Collection

Drilling is accomplished utilizing one or more of the following methods:

Auger Drilling

Auger drilling is the preferred, most often used method of subsurface investigation and is accomplished using a vehicle or trailer mounted drill rig. Continuous flight auger types used vary upon the site and situation; ranging from the 4-inch outside diameter solid stem to the 12-inch outside diameter hollow stem. Auger type is selected based upon appropriateness and/or site-specific requirements.

Hand Augering

Hand augering is utilized when economically and scientifically feasible, or when no other method is suitable. Hand augers typically produce three-inch diameter holes and are generally limited to depths of less than 15 feet.

Direct Push

Direct push methods of subsurface investigation are used generally for soil screening purposes or collection of groundwater samples where permanent wells are not viable.

Other Methods

Other drilling methods, such as mud and air rotary, rock coring, cable tool, and large bucket augering are used when site conditions or project requirements dictate.

Regardless of the drilling method used, the drill rig(s) and all drilling tools are thoroughly cleaned between boreholes to prevent cross introduction of contaminants. Split spoon samples are collected and field-described at intervals of five feet or less, and cuttings are continuously monitored for organic vapors. Drill cuttings are containerized for off-site disposal or are spread on the ground surface in proximity to the well or boring in accordance with North Carolina Department of Environment and Natural Resources (NCDENR) requirements. A geologist or engineer, trained in using visual/manual techniques, is always present during drilling and is

responsible for subsurface contaminant and geologic data collection. Soils are classified in general agreement with the Unified Soils Classification System (USCS).

1.3.2 Hydropunch Installation

Hydropunch penetrometers (Hydropunches) are used to delineate the spatial extent of dissolved and free phase plumes. Soil borings are advanced to the appropriate depth and then the Hydropunch is advanced through the soil boring into undisturbed material. Groundwater samples are collected by pulling back on the body of the Hydropunch and allowing the groundwater to enter the screened portion of the sample chamber. Samples are retrieved using a decontaminated Teflon bailer or peristaltic pump.

1.3.3 Well Installation

Wells are typically constructed of threaded PVC casing and screen. No glues or cements are used in joining PVC components. Well diameter, slot sizes, and protective covers vary depending upon site-specific conditions or situation-specific requirements.

1.3.4 Well Development

Wells are developed by over-pumping or surging using appropriate pumps, blocks, or bailers. Through development, unwanted fine materials are removed from the natural formation surrounding the well. Well development will be performed no sooner than 24-hours after grouting is completed for the Type III wells. Water generated during development is containerized and properly disposed or is discharged onto the ground in proximity of the well in accordance with NCDENR requirements.

1.4 HYDROGEOLOGIC DATA COLLECTION

Data used to help characterize hydrogeologic conditions at a site are obtained through various procedures including, but not necessarily limited to, those described below:

1.4.1 Regional Geology

Information pertaining to the regional geologic framework is compiled from existing publications, maps, and scientific papers.

1.4.2 Site Geology

Shallow site geology is generally determined from field descriptions and borehole samples. Interpretations with regard to hydrogeologically important contacts, zones, fractures, faults, cleavage, and facies changes are made when possible.

1.4.3 Groundwater Occurrence and Characteristics

Groundwater data is obtained utilizing a number of methods and procedures, not limited to the general list below:

Well Water Levels

After well development, wells are allowed to stabilize for a minimum of 24 hours prior to measuring. Water level and free product thickness (where applicable) measurements are performed using an electronic interface probe or steel tape with water/product finding pastes.

The specific gravity of any accumulated product is determined and used to calculate true hydraulic grade from measured water levels. This information is combined with vertical survey data to determine relative potentiometric surface elevations for all wells.

Aquifer Testing

Various aquifer tests may be used to make determinations of hydraulic conductivity. Slug or pumping tests are often used to characterize site hydrogeologic conditions and to develop remedial action alternatives utilizing appropriate pumping technologies.

Other Methods

Other methods may be deemed appropriate for determining various groundwater characteristics. These other methods may include nested well configurations and/or clustered piezometer installations; sieve or pipette analysis; fracture trace analysis; computer modeling; and geophysical logging.

1.5 PETROLEUM HYDROCARBON DATA COLLECTION

1.5.1 Collection Methods

Petroleum hydrocarbon data is obtained through various methods including, but not limited to, the following:

Field Analysis

- Direct thickness measurement of phase separated components using tapes and/or probes.
- Manual vapor analysis using a photoionization detector (PID) or flame ionization detector (FID).
- Detectable odor and visual observation.

Laboratory Analysis

- Laboratory analysis of phase-separated products.

- Laboratory vapor, soil, and groundwater analysis using appropriate EPA Methods.

1.5.2 Field Sampling

Field sampling procedures are performed in accordance with recommended protocol, accepted industry standards, and under appropriate chain-of-custody procedures. Generally, sampling procedures are as follows:

Product Samples

Product samples are obtained using clean equipment and containers. Each is shipped to the analytical laboratory in protective containers.

Vapor Samples

PID/FID readings are measured from soil sample headspace using containerized samples that have been brought to ambient temperature.

Carbon tubes are utilized in conjunction with a laboratory-calibrated vacuum pump to obtain vapor samples. The carbon tubes are sealed and refrigerated for shipment to the analytical laboratory (This method is known as the Carbon Adsorption Method).

Soil Samples

Soil samples are immediately packed into clean containers, and refrigerated for shipment to the analytical laboratory.

Groundwater Samples

Groundwater samples are collected in accordance with the following procedures:

- Creeks/Lakes/Etc.

  Grab samples are obtained.

- Domestic Wells

  Wells are pumped for a time sufficient to completely purge the well and any pressure or holding tanks prior to sampling.

- Monitoring Wells

  Water level measurements are made and well volumes calculated for each well.

  Three well volumes are removed from each well using a thoroughly cleaned Teflon bailer or appropriate purging pump. If it is not possible to

remove three volumes, due to very low yields, a minimum of one volume is removed prior to obtaining a sample.

Where analysis for metals is required, wells are typically sampled utilizing low flow techniques, which reduce turbidity and the potential for matrix interference.

Samples are collected and containerized in a manner that minimizes agitation and contact with the air.

Sampling records are field prepared.

Samples are labeled and proper Chain-of-Custody documents are maintained.

Samples are promptly protectively packed, refrigerated, and shipped to the analytical laboratory for analysis.

2.0 DATA EVALUATION

Data obtained as a result of the site investigation is compiled and evaluated and a report is prepared for client review and distribution to the appropriate agencies. Generally, specific data are evaluated as follows:

- Background data are evaluated in context with the suspected or confirmed problem.
- Survey data are utilized to develop site maps and to evaluate contaminant receptors.
- Well construction records are compiled and presented as part of the report. As-built information is used in combination with other data to evaluate subsurface conditions and monitoring well screen settings as they relate to the investigation.
- Subsurface drilling logs are used to develop geologic cross-sections, fence diagrams, isopaths, structure contours, or other constructions. Regional geologic data are used to obtain an overall framework.
- Hydrogeologic data are used to develop contour maps, flow nets and other constructions. The data is also used to calculate various hydrogeologic parameters that describe aquifer characteristics.
- Hydrocarbon data are utilized to develop various plume geometry and isoconcentration maps.
- All data are compiled and utilized for making specific recommendations with regard to remedial action alternatives.

APPENDIX B

BORING LOGS, TEMPORARY MONITORING WELL CONSTRUCTION DETAILS, AND NORTH CAROLINA WELL CONSTRUCTION AND ABANDONMENT RECORDS

BORING LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB01
		DRILLER: John E. Wood, III	
NORTHING: 3,837,327.46	**EASTING:** 286,731.82	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 4.0
START DATE: 4/24/08	**FINISH DATE:** 4/24/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Brown fine SAND. Uniform. Loose. Moist. No odor.	
2.0		M	▲0.0	FC100 SB01 (2-4)	SC/ CL		2.0	Brown and gray CLAYEY SAND to CLAY. Med. dense. Med. stiff. High plasticity. Moist. No odor.	
4.0							4.0	Boring Terminated at Depth 4.0 ft CLAYEY SAND to CLAY.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB03
		DRILLER: John E. Wood, III	
NORTHING: 3,837,305.58	**EASTING:** 286,712.60	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 4.0
START DATE: 4/24/08	**FINISH DATE:** 4/24/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP/SC			Brown fine SAND grading into CLAYEY SAND. Med. dense. Moist. No odor.	
2.0		M	▲0.0	FC100 SB03 (2-4)	SP/SC		2.0	Brown fine SAND to CLAYEY SAND. Uniform. Moist. No odor.	
4.0							4.0	Boring Terminated at Depth 4.0 ft Fine SAND to CLAYEY SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB05
		DRILLER: John E. Wood, III	
NORTHING: 3,837,280.68	**EASTING:** 286,717.46	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 4.0
START DATE: 4/24/08	**FINISH DATE:** 4/24/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Brown fine SAND. Uniform. Loose. Moist. No odor.	
2.0		M	▲0.0	FC100 SB05 (2-4)			4.0		
4.0								Boring Terminated at Depth 4.0 ft Fine SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB06
		DRILLER: John E. Wood, III	
NORTHING: 3,837,263.46	**EASTING:** 286,713.62	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 4.0
START DATE: 4/24/08	**FINISH DATE:** 4/24/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Brown fine SAND. Uniform. Loose. Moist. No odor.	
2.0		M	▲0.0	FC100 SB06 (2-4)			4.0		
4.0								Boring Terminated at Depth 4.0 ft Fine SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB07
		DRILLER: John E. Wood, III	
NORTHING: 3,837,255.62	**EASTING:** 286,744.77	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 12.0
START DATE: 4/23/08	**FINISH DATE:** 4/23/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	DEPTH / ELEVATION
							LAND SURFACE	0.0
0.0		M	▲0.0		SP		Brown fine SAND w/ some GRAVEL. Loose. Moist. No odor.	2.0
2.0		M	▲0.0		SP		Brown and gray fine SAND. Uniform. Moist. No odor.	4.0
4.0		M	▲0.0	FC100 SB07 (4-6)	SP		S.A.A. except light brown.	8.0
6.0		M	▲0.0					
8.0		W			SP		S.A.A. except wet.	10.0
10.0		Sat.			SC/ CL		Gray to brown CLAYEY SAND to SANDY CLAY. Med. dense. Saturated. No odor.	12.0
12.0							Boring Terminated at Depth 12.0 ft CLAYEY SAND to SANDY CLAY.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100 GPJ CATLIN GDT 5/23/08

BORING LOG

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Wilmington, NC

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB11
		DRILLER: John E. Wood, III	
NORTHING: 3,837,321.85	**EASTING:** 286,804.69	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 4.0
START DATE: 4/24/08	**FINISH DATE:** 4/24/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Brown fine SAND. Uniform. Loose. Moist. No odor.	
2.0		M	▲0.0	FC100 SB11 (2-4)			4.0	Boring Terminated at Depth 4.0 ft Fine SAND.	
4.0									

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

CATLIN ENGINEERS and SCIENTISTS
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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB13
		DRILLER: John E. Wood, III	
NORTHING: 3,837,259.06	**EASTING:** 286,792.07	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/23/08	**FINISH DATE:** 4/23/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Brown fine SAND. Uniform. Loose. Moist. No odor.	
2.0		M	▲0.0	FC100 SB13 (2-4)			4.0		
4.0		M	▲0.0		SP		6.0	S.A.A. except light brown.	
6.0		Sat.			SP		8.0	S.A.A. except brown. Saturated.	
8.0								Boring Terminated at Depth 8.0 ft Fine SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

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PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	BORING ID: FC100-SB15
		DRILLER: John E. Wood, III	
NORTHING: 3,837,182.04	EASTING: 286,780.58	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		LAND ELEV.: NM
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	BORING DEPTH: 8.0
START DATE: 4/15/08	FINISH DATE: 4/15/08	24 HOUR DTW:	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	DEPTH	ELEVATION
							LAND SURFACE	0.0	
0.0		M	▲0.0		SW		Grayish-brown fine SAND w/ GRAVELS. Loose. Dry. No odor.	2.0	
2.0		M	▲0.2		SP		Gray fine SAND. Loose. Moist. No odor.	4.0	
4.0		M	▲0.0	FC100 SB15 (4-6)	SP		S.A.A. except light brown.	8.0	
6.0		M	▲0.0						
8.0							Boring Terminated at Depth 8.0 ft Fine SAND.		

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB18
		DRILLER: John E. Wood, III	
NORTHING: 3,837,222.00	**EASTING:** 286,742.87	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/15/08	**FINISH DATE:** 4/15/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	DEPTH	ELEVATION
							LAND SURFACE	0.0	
0.0		M	▲0.0		SP		Brown fine SAND. Loose. Uniform. Moist. No odor.	2.0	
2.0		M	▲0.0		SP		Same as above except w/ some LIMESTONE/CONCRETE layer from 3-3.2'.	4.0	
4.0		M	▲0.0		SP		Light brown fine SAND. Uniform. Loose. Moist. No odor.	8.0	
6.0		M	▲0.0	FC100 SB18 (6-8)					
8.0							Boring Terminated at Depth 8.0 ft Fine SAND.		

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB21
		DRILLER: John E. Wood, III	
NORTHING: 3,837,218.79	**EASTING:** 286,825.20	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/15/08	**FINISH DATE:** 4/15/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT (0.5 0.5 0.5 0.5)	MOI.	OVA RESULTS (ppm) (0 1000 2000 3000 4000)	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Brown fine SAND. Uniform. Loose. Moist. No odor.	
							2.0		
2.0		M	▲0.2						
4.0		M	▲0.3	FC100 SB21 (4-6)	SP			S.A.A. except gray.	
6.0		M	▲0.1						
							8.0		
8.0								Boring Terminated at Depth 8.0 ft Fine SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100 GPJ CATLIN GDT 5/23/08

BORING LOG

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB25
		DRILLER: Bobbie D. Fowler	
NORTHING: 3,837,299.73	**EASTING:** 286,878.36	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/22/08	**FINISH DATE:** 4/22/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0 LAND SURFACE	
0.0		M	▲0.0		SP		Brown fine SAND. Uniform. Loose. Moist. No odor.	
2.0		M	▲1.5	FC100 SB25 (2-4)				
4.0		W			SP		4.0 S.A.A. except gray and wet.	
6.0		Sat.			SP		6.0 S.A.A. except saturated.	
8.0							8.0 Boring Terminated at Depth 8.0 ft Fine SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

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BORING LOG

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB27
		DRILLER: Bobbie D. Fowler	
NORTHING: 3,837,245.46	**EASTING:** 286,872.38	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/21/08	**FINISH DATE:** 4/21/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Gray fine SAND. Loose. Uniform. Moist. No odor.	
2.0		M	▲0.0	FC100 SB27 (2-4)			4.0		
4.0		W	▲0.0		SP		6.0	S.A.A. except wet.	
6.0		Sat.	▲0.0		SP/ SM		8.0	Gray fine SAND into dark gray to black CLAYEY SILT. Saturated. No odor.	
8.0								Boring Terminated at Depth 8.0 ft Fine SAND w/ CLAYEY SILT.	

▽ = 0hr. DTW ▼ = 24hr. DTW

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BORING LOG

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB29
		DRILLER: John E. Wood, III	
NORTHING: 3,837,202.83	**EASTING:** 286,909.38	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/15/08	**FINISH DATE:** 4/15/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Brown fine SAND w/ some GRAVEL. Loose. Moist. No odor.	
							2.0		
2.0		M	▲0.0	FC100 SB29 (2-4)	SP/ SC			S.A.A. grading into CLAYEY SAND to CLAY. Med. plasticity. Med. dense.	
							4.0		
4.0		W			SP/ SC			Brown fine SAND w/ some CLAYEY SAND. Wet. No odor.	
							6.0		
6.0		W			SP/ SC			S.A.A. except gray.	
							8.0		
8.0								Boring Terminated at Depth 8.0 ft Fine SAND w/ some CLAYEY SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB30
		DRILLER: John E. Wood, III	
NORTHING: 3,837,169.06	**EASTING:** 286,865.71	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/15/08	**FINISH DATE:** 4/15/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	DEPTH / ELEVATION
							LAND SURFACE	0.0
0.0		D	▲0.0		SP		Brown fine SAND w/ some GRAVEL. Loose. Dry. No odor.	2.0
2.0		M	▲0.0		SP		Light brown very fine SAND. Loose. Moist. No odor.	6.0
4.0		M	▲0.1	FC100 SB30 (4-6)				
6.0		M	▲0.2		SP		Brown fine SAND. Loose. Moist to wet. No odor.	8.0
8.0							Boring Terminated at Depth 8.0 ft Fine SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB33
		DRILLER: John E. Wood, III	
NORTHING: 3,837,144.21	**EASTING:** 286,912.10	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/14/08	**FINISH DATE:** 4/14/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		D	▲0.0		SP			Light w/ some dark brown fine SAND w/ some GRAVEL. Loose. No odor. Dry.	
2.0		M	▲0.0		SP		2.0	Light brown very fine SAND w/ some brown CLAYEY SAND. Loose.	
4.0		M	▲0.2	FC100 SB33 (4-6)	SP		4.0	S.A.A. except no CLAYEY SAND.	
6.0		M	▲0.0				8.0	Boring Terminated at Depth 8.0 ft Fine SAND.	
8.0									

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

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PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	BORING ID: FC100-SB34
		DRILLER: John E. Wood, III	
NORTHING: 3,837,235.30	EASTING: 286,913.00	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		LAND ELEV.: NM
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	BORING DEPTH: 8.0
START DATE: 4/15/08	FINISH DATE: 4/15/08	24 HOUR DTW:	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Grayish-brown fine SAND. Uniform. Loose. Moist. No odor.	
2.0		M	▲0.0	FC100 SB34 (2-4)	SP		2.0	S.A.A. except med. dense. Moist to wet.	
4.0		Sat.			SP		4.0	Gray and brown fine SAND. Med. dense. Saturated. No odor.	
6.0		Sat.							
8.0							8.0	Boring Terminated at Depth 8.0 ft Fine SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

BORING LOG

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB35
		DRILLER: Bobbie D. Fowler	
NORTHING: 3,837,281.17	**EASTING:** 286,918.21	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/22/08	**FINISH DATE:** 4/22/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT (0.5 0.5 0.5 0.5)	MOI.	OVA RESULTS (ppm) (0 1000 2000 3000 4000)	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		M	▲0.0		SP			Gray fine SAND w/ some wood frags and dark gray CLAYEY SAND w/ organic debris. Moist. No odor.	
2.0		M	▲0.0	FC100 SB35 (2-4)	SP		2.0	Light and dark brown layered fine SAND. Uniform. Moist. No odor.	
4.0		Sat.			SP		4.0	Light brown fine SAND. Loose. Uniform. No odor. Saturated	
6.0		Sat.							
8.0							8.0	Boring Terminated at Depth 8.0 ft Fine SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

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PROJECT NO.: 208-016	**STATE:** NC	**COUNTY:** Onslow	**LOCATION:** MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		**LOGGED BY:** Justin Heter	**BORING ID:** FC100-SB36
		DRILLER: Bobbie D. Fowler	
NORTHING: 3,837,304.20	**EASTING:** 286,923.05	**CREW:** Chris Miller	
SYSTEM: UTM NAD83 (m)	**BORING LOCATION:** See Map		**LAND ELEV.:** NM
DRILL MACHINE: Diedrich D-50	**METHOD:** Direct Push	**0 HOUR DTW:**	**BORING DEPTH:** 8.0
START DATE: 4/22/08	**FINISH DATE:** 4/22/08	**24 HOUR DTW:**	**ROCK DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0		W	▲0.0		SP			Grayish-brown fine SAND. Uniform. Wet (due to rain). No odor.	
2.0		M	▲4.3	FC100 SB36 (2-4)	SP		2.0	S.A.A. except moist and med. dense.	
4.0		Sat.			SP		4.0	Gray fine SAND. Uniform. Saturated. No odor.	
6.0		Sat.							
8.0							8.0	Boring Terminated at Depth 8.0 ft Fine SAND.	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

WELL LOG

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PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB02/ TMW02
		DRILLER: John E. Wood, III	
NORTHING: 3837303.7	EASTING: 286722.8	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/24/08	FINISH DATE: 4/24/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in	6in	6in	6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
									0.0 LAND SURFACE	0.0
0.0					0.0		SP		Brown fine SAND. Uniform. Loose. Moist. No odor. 2.0	0.0
2.0					0.0	FC100 SB02 (2-4)	SP		S.A.A. except light gray/tan. 6.0	2" Sch. 40 PVC
4.0					0.0					
6.0					NM		SP		S.A.A. except wet. 8.0	7.0
8.0					NM		SP		S.A.A. except saturated. 10.0	2" Slot .010 Sch. 40 PVC
10.0					NM		SP/ CL		S.A.A. w/ CLAYEY SAND to SANDY CLAY layer from 11-11.5' BLS. Med. plasticity. 12.0	12.0 12.0
									Boring Terminated at Depth 12.0 ft CLAYEY SAND to SANDY CLAY.	

Native Backfill

CATLIN BORING LOG 208-016 FC100 GPJ CATLIN GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB02/ TMW02
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/24/2008
TIME COMPLETED: 10:15 **AM** ☒ **PM** ☐

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,303.7
EASTING: 286,722.8
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 7 ft.	2"	Sch. 40	PVC
From	_____ To _____ ft.	"		
From	_____ To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	7 To 12 Ft.	2 in.	Slot .010 in.	PVC
From	_____ To _____ Ft.	_____ in.	_____ in.	
From	_____ To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	_____ To _____ Ft.		
From	0 To 12 Ft.		
From	_____ To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 10-5-20
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB02/ TMW02
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,303.7
EASTING: 286,722.8
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 8 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry _ Pellets X
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/28/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John E. Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB04/ TMW04
		DRILLER: John E. Wood, III	
NORTHING: 3837282.4	EASTING: 286705.4	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/24/08	FINISH DATE: 4/24/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in	6in	6in	6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
									0.0 LAND SURFACE	0.0
0.0					1.3		SP		Brown fine SAND. Trace organics. Uniform. Loose. Moist. No odor.	0.0
2.0					0.0				2.0	2" Sch. 40 PVC
4.0					0.0	FC100 SB04 (4-6)	SP		S.A.A.	
6.0					0.0					7.0
8.0					0.5		SP		S.A.A. except saturated. 10.0	2" Slot .010 Sch. 40 PVC
10.0					410.0		SC/ CL		Gray CLAYEY SAND to SANDY CLAY. Med. dense. Med. stiff. High plasticity. Saturated. HCO fuel odor. 12.0	12.0 12.0
									Boring Terminated at Depth 12.0 ft CLAYEY SAND to SANDY CLAY.	

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB04/ TMW04
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/24/2008
TIME COMPLETED: 11:00 **AM** ☒ **PM** ☐

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,282.4
EASTING: 286,705.4
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 7 ft.	2"	Sch. 40	PVC
From	_____ To _____ ft.	"		
From	_____ To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	7 To 12 Ft.	2 in.	Slot .010 in.	PVC
From	_____ To _____ Ft.	_____ in.	_____ in.	
From	_____ To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	_____ To _____ Ft.		
From	0 To 12 Ft.		
From	_____ To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB04/ TMW04
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,282.4
EASTING: 286,705.4
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 8 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement ____ lb.
Water ____ gal.

Sand Cement
Cement ____ lb.
Water ____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry ☐ Pellets ☒
Water 2 gal.

Other
Type material
Amount

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/28/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB08/ TMW08
		DRILLER: John E. Wood, III	
NORTHING: 3837271.3	EASTING: 286747.1	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/23/08	FINISH DATE: 4/23/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SP		Brown and gray fine SAND. Uniform. Loose. Moist. No odor.	0.0
2.0		0.0					2" Sch. 40 PVC
4.0		0.0	FC100 SB08 (4-6)				
6.0		0.0					7.0
8.0		NM		SP/ SC		S.A.A. except grades into CLAYEY SAND and saturated. 8.0	
10.0		NM		SC/ CL		S.A.A. except w/ SANDY CLAY to CLAY. 10.0	2" Slot .010 Sch. 40 PVC
						Boring Terminated at Depth 12.0 ft SANDY CLAY to CLAY. 12.0	12.0 12.0

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB08/ TMW08
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use):
DATE DRILLED: 04/23/2008
TIME COMPLETED: 13:40 **AM** ☐ **PM** ☒

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,271.3
EASTING: 286,747.1
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From ___ To ___ From ___ To ___
From ___ To ___ From ___ To ___
From ___ To ___ From ___ To ___

6. CASING:

	Depth		Diameter	Thickness/ Weight	Material
From 0	To 7	ft.	2"	Sch. 40	PVC
From ___	To ___	ft.	"		
From ___	To ___	ft.	"		

7. GROUT:

	Depth		Material	Method
From ___	To ___	Ft.		
From ___	To ___	Ft.		
From ___	To ___	Ft.		

8. SCREEN:

	Depth		Diameter	Slot Size	Material
From 7	To 12	Ft.	2 in.	Slot .010in.	PVC
From ___	To ___	Ft.	___ in.	___ in.	
From ___	To ___	Ft.	___ in.	___ in.	

9. SAND/GRAVEL PACK:

	Depth		Size	Material
From ___	To ___	Ft.		
From 0	To 12	Ft.		
From ___	To ___	Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB08/ TMW08
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,271.3
EASTING: 286,747.1
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 8 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry ☐ Pellets ☒
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/28/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John E. Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB09/ TMW09
		DRILLER: John E. Wood, III	
NORTHING: 3837300.9	EASTING: 286753.3	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/23/08	FINISH DATE: 4/23/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0	LAND SURFACE	0.0
0.0		0.0		SP		0.0	Grayish-brown fine SAND. Uniform. Loose. Moist. No odor.	0.0
2.0		0.0	FC100 SB09 (2-4)	SP		2.0	S.A.A. except more varying colors- dark grays and light browns interlayered.	2" Sch. 40 PVC
4.0		0.0						
6.0		NM		SC/ CL		6.0	Brown CLAYEY SAND to SANDY CLAY. Med. dense. Med. stiff. Med. plasticity. Wet. No odor.	7.0
8.0		NM		SP/ SC		8.0	S.A.A. grading into fine SAND. Saturated.	2" Slot .010 Sch. 40 PVC
10.0		NM		SC		10.0	Gray and brown CLAYEY SAND. Med. dense. Saturated. No odor.	
						12.0	Boring Terminated at Depth 12.0 ft CLAYEY SAND.	12.0 12.0

Native Backfill

CATLIN BORING LOG 208-016 FC100 GPJ CATLIN GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB09/ TMW09
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/23/2008
TIME COMPLETED: 13:05 **AM** ☐ **PM** ☒

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,300.9
EASTING: 286,753.3
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 7 ft.	2"	Sch. 40	PVC
From	_____ To _____ ft.	"		
From	_____ To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	7 To 12 Ft.	2 in.	Slot .010 in.	PVC
From	_____ To _____ Ft.	_____ in.	_____ in.	
From	_____ To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	_____ To _____ Ft.		
From	0 To 12 Ft.		
From	_____ To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB09/ TMW09
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,300.9
EASTING: 286,753.3
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 8 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry ☐ Pellets ☒
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/28/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John E. Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB10/ TMW10
		DRILLER: John E. Wood, III	
NORTHING: 3837325.5	EASTING: 286756.1	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/23/08	FINISH DATE: 4/23/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SP		Brown fine SAND. Uniform. Loose. Moist. No odor.	0.0
2.0		0.0	FC100 SB10 (2-4)	SC		2.0 Brown CLAYEY SAND. Med. dense. Moist. No odor.	2" Sch. 40 PVC
4.0		0.0		SC		4.0 S.A.A. except wet.	
6.0		NM		SC		6.0 S.A.A. except reddish-brown and trace mica flakes.	7.0
8.0		NM		SP/ SC		8.0 Brown and gray CLAYEY SAND and some fine SAND. Saturated. No odor.	2" Slot .010 Sch. 40 PVC
10.0		NM					
						12.0 Boring Terminated at Depth 12.0 ft CLAYEY SAND w/ some fine SAND.	12.0 12.0

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB10/ TMW10
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/23/2008
TIME COMPLETED: 11:45 **AM** ☒ **PM** ☐

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,325.5
EASTING: 286,756.1
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From 0	To 7 ft.	2"	Sch. 40	PVC
From _____	To _____ ft.	"		
From _____	To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From _____	To _____ Ft.		
From _____	To _____ Ft.		
From _____	To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From 7	To 12 Ft.	2 in.	Slot .010 in.	PVC
From _____	To _____ Ft.	_____ in.	_____ in.	
From _____	To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From _____	To _____ Ft.		
From 0	To 12 Ft.		
From _____	To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB10/ TMW10
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,325.5
EASTING: 286,756.1
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 8 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry ☐ Pellets ☒
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/28/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John E. Wood III 6-14-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB12/ TMW12
		DRILLER: John E. Wood, III	
NORTHING: 3837288.7	EASTING: 286796.2	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/23/08	FINISH DATE: 4/23/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SP		Brown fine SAND. Uniform. Loose. Moist. No odor.	0.0
2.0		0.0	FC100 SB12 (2-4)			4.0	2" Sch. 40 PVC
4.0		NM		SP		S.A.A. except brown and gray. Wet. 6.0	
6.0		NM		SP		Gray fine SAND w/ 2" layer of black fine SAND w/ large wood frags. Wet. No odor. 8.0	7.0
8.0		NM		SP		Gray to brown fine SAND w/ wood and organic debris/frags. Med. dense. Saturated. No odor. 10.0	2" Slot .010 Sch. 40 PVC
10.0		NM		SP-SC		Grayish-brown fine SAND grading into CLAYEY SAND. Med. plasticity. Saturated. 12.0	12.0 12.0
						Boring Terminated at Depth 12.0 ft CLAYEY SAND.	

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB12/ TMW12
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/23/2008
TIME COMPLETED: 11:10 **AM** ☒ **PM** ☐

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,288.7
EASTING: 286,796.2
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC | _____
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 7 ft.	2"	Sch. 40	PVC
From	_____ To _____ ft.	"		
From	_____ To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	7 To 12 Ft.	2 in.	Slot .010in.	PVC
From	_____ To _____ Ft.	_____ in.	_____ in.	
From	_____ To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	_____ To _____ Ft.		
From	0 To 12 Ft.		
From	_____ To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB12/ TMW12
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,288.7
EASTING: 286,796.2
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal
Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 8 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry ☐ Pellets ☒
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/28/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John E. Wood III

SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB14/ TMW14
		DRILLER: John E. Wood, III	
NORTHING: 3837222.7	EASTING: 286788.9	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 16.0
START DATE: 4/15/08	FINISH DATE: 4/15/08	24 HOUR DTW:	WELL DEPTH: 15.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SP		Light brown fine SAND. Uniform. Loose. Moist. No odor. 2.0	0.0
2.0		0.0		SP		S.A.A. except w/ darker brown med. dense SAND. 4.0	
4.0		0.5		SP/ SC		Gray and brown fine SAND w/ some CLAYEY SAND. Med. dense. Wet. Slight HCO odor. 6.0	2" Sch. 40 PVC
6.0		3.5	FC100 SB14 (6-8)	SP		Gray, brown, and dark gray fine SAND. Moist. Slight HCO odor. 8.0	
8.0		NM		SP/ SC		Brown fine SAND grading into gray CLAYEY SAND. Wet @ 9'. No odor. 10.0	10.0
10.0		NM		SP		Brown fine SAND. Uniform. Med. dense. No odor. Wet. 12.0	
12.0		NM		SC		Gray and brown fine SAND. Uniform. Med. dense. No odor. Wet. 16.0	2" Slot .010 Sch. 40 PVC
14.0		NM					15.0 15.0
						Boring Terminated at Depth 16.0 ft Fine SAND w/ CLAYEY SAND and SANDY CLAY.	

Native Backfill

CATLIN BORING LOG 208-016 FC100 GPJ CATLIN GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB14/ TMW14
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/15/2008
TIME COMPLETED: 12:15 **AM** ☐ **PM** ☒

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,222.7
EASTING: 286,788.9
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 15
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth		Diameter	Thickness/ Weight	Material
From 0	To 10	ft.	2"	Sch. 40	PVC
From _____	To _____	ft.	"		
From _____	To _____	ft.	"		

7. GROUT:

	Depth		Material	Method
From _____	To _____	Ft.		
From _____	To _____	Ft.		
From _____	To _____	Ft.		

8. SCREEN:

	Depth		Diameter	Slot Size	Material
From 10	To 15	Ft.	2 in.	Slot .010 in.	PVC
From _____	To _____	Ft.	_____ in.	_____ in.	
From _____	To _____	Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth		Size	Material
From _____	To _____	Ft.		
From 0	To 15	Ft.		
From _____	To _____	Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood
SIGNATURE OF CERTIFIED WELL CONTRACTOR

6-5-08
DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB14/ TMW14
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,222.7
EASTING: 286,788.9
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal
Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 15 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 13 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	10	ft.	2	in.
b. Casing Removed:	10	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 10 lb.
Type: Slurry __ Pellets X
Water 4 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/18/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB16/ TMW16
		DRILLER: John E. Wood, III	
NORTHING: 3837168.8	EASTING: 286777.3	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 20.0
START DATE: 4/23/08	FINISH DATE: 4/23/08	24 HOUR DTW:	WELL DEPTH: 20.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		GW/ GC		0.2 Asphalt. Brown GRAVELLY SAND grading into CLAYEY SAND. Large gravels and asphalt frags. Dry. No odor. 2.0	0.0
2.0		0.0		SC		Brown CLAYEY SAND. Uniform. Med. dense. Moist. No odor. 4.0	
4.0		0.0		SP		Brown fine SAND w/ some CLAYEY SAND. Med. dense. Moist. No odor. 6.0	
6.0		0.0	FC100 SB16 (6-8)	SP		Light brown/tan fine SAND. Uniform. Loose. Moist. No odor. 8.0	2" Sch. 40 PVC
8.0		0.0		SP		S.A.A. w/ a wet layer from 8-8.2'. At 8.5' soil becomes dark brown, organic SILTY SAND. Moist. No odor. 10.0	
10.0		0.0		SP		Dark brown fine SAND w/ some SILTY SAND. Uniform. Moist. No odor. 12.0	
12.0		NM		SP		Brown fine SAND. Uniform. Wet @ 14'. 14.0	
14.0		NM		SP		S.A.A. except 2" layer of CLAYEY SAND w/ med. plasticity. Saturated @ 15'. 16.0	15.0
				SP		S.A.A. grading into fine SAND. 20.0	2" Slot .010 Sch. 40 PVC
						Boring Terminated at Depth 20.0 ft Fine SAND w/ CLAYEY SAND.	20.0 20.0

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB16/ TMW16
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/23/2008
TIME COMPLETED: 10:10 **AM** ☒ **PM** ☐

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,168.8
EASTING: 286,777.3
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 20
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From 0	To 15 ft.	2"	Sch. 40	PVC
From _____	To _____ ft.	"		
From _____	To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From _____	To _____ Ft.		
From _____	To _____ Ft.		
From _____	To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From 15	To 20 Ft.	2 in.	Slot .010 in.	PVC
From _____	To _____ Ft.	_____ in.	_____ in.	
From _____	To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From _____	To _____ Ft.		
From 0	To 20 Ft.		
From _____	To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB16/ TMW16
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,168.8
EASTING: 286,777.3
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 20 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 18 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	15	ft.	2	in.
b. Casing Removed:	15	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 10 lb.
Type: Slurry ___ Pellets X
Water 4 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/28/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John E. Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB17/ TMW17
		DRILLER: John E. Wood, III	
NORTHING: 3837192.3	EASTING: 286738.3	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 16.0
START DATE: 4/15/08	FINISH DATE: 4/15/08	24 HOUR DTW:	WELL DEPTH: 15.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SW		Brown and gray fine SAND w/ some GRAVEL. Loose. No odor. Dry.	0.0
2.0		0.0		SP		Brown fine SAND. Loose. Moist. No odor.	2" Sch. 40 PVC
4.0		0.0					
6.0		0.0	FC100 SB17 (6-8)	SP		S.A.A. except light brown.	
8.0		0.0					
10.0		NM		SP		S.A.A. except wet.	10.0
12.0		NM		SP		S.A.A. except saturated.	2" Slot .010 Sch. 40 PVC
						16.0 Boring Terminated at Depth 16.0 ft Fine SAND.	15.0 15.0

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB17/ TMW17

STATE WELL PERMIT #(if applicable): N/A

DWQ or OTHER PERMIT # (if applicable): N/A

WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____

DATE DRILLED: 04/15/2008

TIME COMPLETED: 11:00 **AM** ☒ **PM** ☐

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow

McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,192.3
EASTING: 286,738.3
UTM NAD83 (m)

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A

NAME OF FACILITY:

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | NC
City or Town | State | Zip Code

CONTACT PERSON: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 15

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒

c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A

f. DISINFECTION: Type N/A **Amount:** N/A

g. WATER ZONES(depth):

From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From 0	To 10 ft.	2"	Sch. 40	PVC
From _____	To _____ ft.	"		
From _____	To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From _____	To _____ Ft.		
From _____	To _____ Ft.		
From _____	To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From 10	To 15 Ft.	2 in.	Slot .010 in.	PVC
From _____	To _____ Ft.	_____ in.	_____ in.	
From _____	To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From _____	To _____ Ft.		
From 0	To 15 Ft.		
From _____	To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB17/ TMW17
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring [X] Residential [ ]
Municipal/Public [ ] Industrial/Commercial [ ] Agricultural [ ]
Recovery [ ] Injection [ ] Irrigation [ ]
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope [ ] Valley [ ] Flat [X] Ridge [ ] Other:

NORTHING: 3,837,192.3
EASTING: 286,738.3
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 15 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 13 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	10	ft.	2	in.
b. Casing Removed:	10	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 10 lb.
Type: Slurry _ Pellets X
Water 4 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/18/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB19/ TMW19
		DRILLER: Bobbie D. Fowler	
NORTHING: 3837155.8	EASTING: 286827.9	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 16.0
START DATE: 4/21/08	FINISH DATE: 4/21/08	24 HOUR DTW:	WELL DEPTH: 16.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0				0.5 Concrete.	0.0
				SP		Brown and gray fine SAND w/ trace CLAYEY SAND. Loose. Moist. No odor. 2.0	
2.0		0.0		SP/ SC		S.A.A. w/ some CLAYEY SAND. 4.0	
4.0		0.0		SP/ SC		Brown fine SAND w/ CLAYEY SAND. Wet layer @ 4.5-5.5'. No odor. 6.0	2" Sch. 40 PVC
6.0		0.0	FC100 SB19 (6-8)	SP		Light brown fine SAND w/ trace CLAYEY SAND. Med. dense. Moist. No odor. 8.0	
8.0		0.0		SP		Light brown to brown fine SAND. Med. dense. No odor. Moist. 10.0	
10.0		NM		SP		Brown to dark gray fine SAND. No odor. Wet. 12.0	11.0
12.0		NM		SP		Gray fine SAND. Med. dense. Saturated @ 14'. No odor.	2" Slot .010 Sch. 40 PVC
14.0		NM				16.0	16.0 16.0
						Boring Terminated at Depth 16.0 ft Fine SAND.	

Native Backfill

CATLIN BORING LOG 208-016 FC100 GPJ CATLIN GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB19/ TMW19
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use):
DATE DRILLED: 04/21/2008
TIME COMPLETED: 15:00 **AM** ☐ **PM** ☒

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,155.8
EASTING: 286,827.9
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 16
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From To From To
From To From To
From To From To

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From 0	To 11 ft.	2"	Sch. 40	PVC
From	To ft.	"		
From	To ft.	"		

7. GROUT:

	Depth	Material	Method
From	To Ft.		
From	To Ft.		
From	To Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From 11	To 16 Ft.	2 in.	Slot .010in.	PVC
From	To Ft.	in.	in.	
From	To Ft.	in.	in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	To Ft.		
From 0	To 16 Ft.		
From	To Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

Bobbie D. Fowler
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB19/ TMW19
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,155.8
EASTING: 286,827.9
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 16 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 13 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	11	ft.	2	in.
b. Casing Removed:	11	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 10 lb.
Type: Slurry ☐ Pellets ☒
Water 4 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/25/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB20/ TMW20
		DRILLER: John E. Wood, III	
NORTHING: 3837176.7	EASTING: 286828.4	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 16.0
START DATE: 4/15/08	FINISH DATE: 4/15/08	24 HOUR DTW:	WELL DEPTH: 16.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SP		Brown fine SAND. Uniform. Loose. Moist. No odor.	0.0
2.0		2.5					
4.0		0.2	FC100 SB20 (4-6)	SP		S.A.A. except trace brown CLAYEY SAND and med. dense.	2" Sch. 40 PVC
6.0		0.0					
8.0		0.0		SP		Brown fine SAND. Uniform. Loose. Moist. No odor.	
10.0		NM		SP		S.A.A. except wet.	11.0
12.0		NM					2" Slot .010 Sch. 40 PVC
14.0		NM		SP/ SC		Brown fine SAND to CLAYEY SAND. Med. dense. Saturated. No odor.	
						16.0 Boring Terminated at Depth 16.0 ft Fine SAND to CLAYEY SAND.	16.0 16.0

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB20/ TMW20
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/15/2008
TIME COMPLETED: 10:10 **AM** ☒ **PM** ☐

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,176.7
EASTING: 286,828.4
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 16
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 11 ft.	2"	Sch. 40	PVC
From	_____ To _____ ft.	"		
From	_____ To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	11 To 16 Ft.	2 in.	Slot .010 in.	PVC
From	_____ To _____ Ft.	_____ in.	_____ in.	
From	_____ To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	_____ To _____ Ft.		
From	0 To 16 Ft.		
From	_____ To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB20/ TMW20
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring [X] Residential [ ]
Municipal/Public [ ] Industrial/Commercial [ ] Agricultural [ ]
Recovery [ ] Injection [ ] Irrigation [ ]
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope [ ] Valley [ ] Flat [X] Ridge [ ] Other:

NORTHING: 3,837,176.7
EASTING: 286,828.4
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 16 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 13 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	11	ft.	2	in.
b. Casing Removed:	11	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 10 lb.
Type: Slurry _ Pellets X
Water 4 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/18/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB22/ TMW22
		DRILLER: Bobbie D. Fowler	
NORTHING: 3837253.0	EASTING: 286830.5	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/22/08	FINISH DATE: 4/22/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SP		Brown fine SAND. Uniform. Loose. Moist. No odor. 2.0	0.0
2.0		0.0	FC100 SB22 (2-4)	SP		S.A.A. except gray and dark gray layer. 4.0	2" Sch. 40 PVC
4.0		0.0		SP/ SC		Brown fine SAND grading into gray CLAYEY SAND. Med. plasticity. Wet. 6.0	
6.0		NM		SP/ SC		Gray CLAYEY SAND grading into brown and gray fine SAND. Loose. Saturated. 8.0	7.0
8.0		NM		SP		Gray fine SAND. Loose. Uniform. Saturated. No odor.	2" Slot .010 Sch. 40 PVC
10.0		NM				12.0	12.0
						Boring Terminated at Depth 12.0 ft Fine SAND.	12.0

Native Backfill

CATLIN BORING LOG 208-016 EC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB22/ TMW22
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use):
DATE DRILLED: 04/22/2008
TIME COMPLETED: 13:30 **AM** ☐ **PM** ☒

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,253.0
EASTING: 286,830.5
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC |
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 7 ft.	2"	Sch. 40	PVC
From	To ft.	"		
From	To ft.	"		

7. GROUT:

	Depth	Material	Method
From	To Ft.		
From	To Ft.		
From	To Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	7 To 12 Ft.	2 in.	Slot .010 in.	PVC
From	To Ft.	in.	in.	
From	To Ft.	in.	in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	To Ft.		
From	0 To 12 Ft.		
From	To Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

Bobbie D. Fowler
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB22/ TMW22
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,253.0
EASTING: 286,830.5
UTM NAD83 (m)
May be in degrees, minutes seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 9 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry _ Pellets X
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/25/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB23/ TMW23
		DRILLER: Bobbie D. Fowler	
NORTHING: 3837279.7	EASTING: 286834.3	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/22/08	FINISH DATE: 4/22/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SP		Grayish-brown fine SAND. Uniform. Loose. Moist. No odor.	0.0
2.0		0.0	FC100 SB23 (2-4)				2" Sch. 40 PVC
4.0		NM				4.0	
6.0		NM					7.0
8.0		NM		SP		S.A.A. except saturated.	2" Slot .010 Sch. 40 PVC
10.0		NM				12.0	12.0 12.0
						Boring Terminated at Depth 12.0 ft Fine SAND.	

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB23/ TMW23
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/22/2008
TIME COMPLETED: 10:30 **AM** ☒ **PM** ☐

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,279.7
EASTING: 286,834.3
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 7 ft.	2"	Sch. 40	PVC
From	To ft.	"		
From	To ft.	"		

7. GROUT:

	Depth	Material	Method
From	To Ft.		
From	To Ft.		
From	To Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	7 To 12 Ft.	2 in.	Slot .010 in.	PVC
From	To Ft.	in.	in.	
From	To Ft.	in.	in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	To Ft.		
From	0 To 12 Ft.		
From	To Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

Bobbie D. Fowler
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB23/ TMW23
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,279.7
EASTING: 286,834.3
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 9 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry ☐ Pellets ☒
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/25/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB24/ TMW24
		DRILLER: Bobbie D. Fowler	
NORTHING: 3837313.7	EASTING: 286841.9	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/22/08	FINISH DATE: 4/22/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in	6in	6in	6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
									0.0 LAND SURFACE	0.0
0.0					0.0		SP		Light gray fine SAND. Uniform. Loose. Moist. No odor. 2.0	0.0
2.0					0.0	FC100 SB24 (2-4)	SP		S.A.A. except light to dark gray. 6.0	2" Sch. 40 PVC
4.0					0.0					
6.0					NM		SP		Dark gray fine SAND w/ trace SILTY SAND w/ organics. No odor. Wet. 8.0	7.0
8.0					NM		SP		Light gray fine SAND. Uniform. Med. dense. Saturated. No odor. 12.0	2" Slot .010 Sch. 40 PVC
10.0					NM					12.0 12.0
									Boring Terminated at Depth 12.0 ft Fine SAND.	

Native Backfill

CATLIN BORING LOG 208-016 FC100 GPJ CATLIN GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB24/ TMW24
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use):
DATE DRILLED: 04/22/2008
TIME COMPLETED: 10:15 **AM** ☒ **PM** ☐

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,313.7
EASTING: 286,841.9
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From To From To
From To From To
From To From To

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From 0	To 7 ft.	2"	Sch. 40	PVC
From	To ft.	"		
From	To ft.	"		

7. GROUT:

	Depth	Material	Method
From	To Ft.		
From	To Ft.		
From	To Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From 7	To 12 Ft.	2 in.	Slot .010 in.	PVC
From	To Ft.	in.	in.	
From	To Ft.	in.	in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	To Ft.		
From 0	To 12 Ft.		
From	To Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

Bobbie D. Fowler
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB24/ TMW24
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring [X] Residential [ ]
Municipal/Public [ ] Industrial/Commercial [ ] Agricultural [ ]
Recovery [ ] Injection [ ] Irrigation [ ]
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope [ ] Valley [ ] Flat [X] Ridge [ ] Other:

NORTHING: 3,837,313.7
EASTING: 286,841.9
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID # (if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 9 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry _ Pellets X
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/25/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB26/ TMW26
		DRILLER: Bobbie D. Fowler	
NORTHING: 3837274.3	EASTING: 286874.8	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/22/08	FINISH DATE: 4/22/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in	6in	6in	6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
									0.0 LAND SURFACE	0.0
0.0					0.0		SP		Grayish-brown fine SAND. Loose. Uniform. Moist. No odor.	0.0
2.0					0.0	FC100 SB26 (2-4)			4.0	2" Sch. 40 PVC
4.0					0.0		SP/ SC		S.A.A. grading into wet dark brown CLAYEY SAND w/ organics. No odor. 6.0	
6.0					NM		SP		Gray to brown fine SAND. Med. dense. Saturated. No odor. 8.0	7.0
8.0					NM		SP/ SC		S.A.A. grading into light fine SAND w/ trace CLAYEY SAND. Dense. 12.0	2" Slot .010 Sch. 40 PVC
10.0					NM				Boring Terminated at Depth 12.0 ft Fine SAND w/ trace CLAYEY SAND.	12.0 12.0

Native Backfill

CATLIN BORING LOG 208-016 FC100 GPJ CATLIN GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB26/ TMW26
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/22/2008
TIME COMPLETED: 8:45 **AM** ☐ **PM** ☒

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,274.3
EASTING: 286,874.8
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 7 ft.	2"	Sch. 40	PVC
From	_____ To _____ ft.	"		
From	_____ To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	7 To 12 Ft.	2 in.	Slot .010 in.	PVC
From	_____ To _____ Ft.	_____ in.	_____ in.	
From	_____ To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	_____ To _____ Ft.		
From	0 To 12 Ft.		
From	_____ To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

Bobbie D. Fowler
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB26/ TMW26
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring [X] Residential [ ]
Municipal/Public [ ] Industrial/Commercial [ ] Agricultural [ ]
Recovery [ ] Injection [ ] Irrigation [ ]
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope [ ] Valley [ ] Flat [X] Ridge [ ] Other:

NORTHING: 3,837,274.3
EASTING: 286,874.8
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 9 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry _ Pellets X
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/25/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood III 6-19-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB28/ TMW28
		DRILLER: John E. Wood, III	
NORTHING: 3837213.1	EASTING: 286870.9	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 16.0
START DATE: 4/15/08	FINISH DATE: 4/15/08	24 HOUR DTW:	WELL DEPTH: 16.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SP		Light brown fine SAND. Uniform. Loose. Moist.	0.0
2.0		0.1					
4.0		0.0	FC100 SB28 (4-6)	SP/ SC		S.A.A. w/ some CLAYEY SAND. Wet.	2" Sch. 40 PVC
6.0		0.0					
8.0		NM		SP/ SC		Gray fine SAND to CLAYEY SAND. Saturated. No odor.	
10.0		NM		SC/ CL		S.A.A. w/ some CLAY. High plasticity. Med. stiff.	11.0
12.0		NM		SP/ SC		Gray CLAYEY SAND grading into brown fine SAND. Saturated. No odor.	2" Slot .010 Sch. 40 PVC
14.0		NM					
						Boring Terminated at Depth 16.0 ft Fine SAND.	16.0 16.0

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB28/ TMW28
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use):
DATE DRILLED: 04/15/2008
TIME COMPLETED: 14:00 **AM** ☐ **PM** ☒

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,213.1
EASTING: 286,870.9
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 16
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From To From To
From To From To
From To From To

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From 0	To 11 ft.	2"	Sch. 40	PVC
From	To ft.	"		
From	To ft.	"		

7. GROUT:

	Depth	Material	Method
From	To Ft.		
From	To Ft.		
From	To Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From 11	To 16 Ft.	2 in.	Slot .010 in.	PVC
From	To Ft.	in.	in.	
From	To Ft.	in.	in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	To Ft.		
From 0	To 16 Ft.		
From	To Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB28/ TMW28
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,213.1
EASTING: 286,870.9
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal
Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)
NAME OF FACILITY: BUILDING FC-100
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004
Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 16 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 13 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	11	ft.	2	in.
b. Casing Removed:	11	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 10 lb.
Type: Slurry ☐ Pellets ☒
Water 4 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/18/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

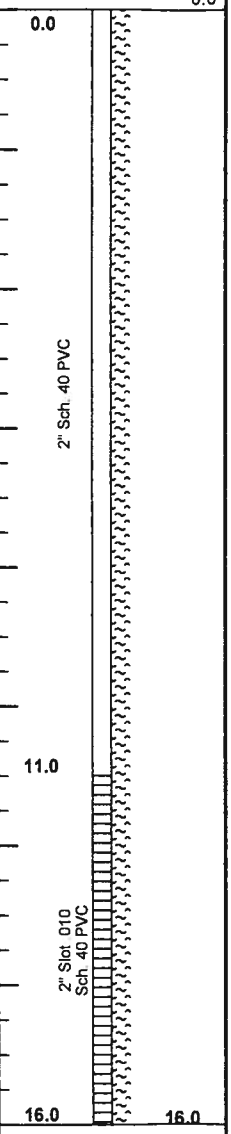
CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB31/ TMW31
		DRILLER: Bobbie D. Fowler	
NORTHING: 3837152.3	EASTING: 286862.7	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 16.0
START DATE: 4/21/08	FINISH DATE: 4/21/08	24 HOUR DTW:	WELL DEPTH: 16.0

DEPTH	BLOW COUNT 6in	6in	6in	6in	OVA (ppm)	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION
									0.0	LAND SURFACE
0.0									0.5	Concrete.
					0.0		SP		2.0	Gray and brown fine SAND. Loose. Uniform. Moist. No odor.
2.0					116.0		SP		4.0	S.A.A. except slight HCO odor.
4.0					1045.0		SP		6.0	Light gray fine SAND. Loose. Moist. Strong HCO odor.
6.0					1360.0	FC100 SB31 (6-8)	SP		8.0	S.A.A. except med. dense.
8.0					2865.0		SC		10.0	S.A.A. grading into CLAYEY SAND. Med. dense. Moist. Strong HCO Odor.
10.0					2995.0		SC		12.0	Reddish-brown CLAYEY SAND. Med. dense. Wet. Strong HCO odor.
12.0					NM		SP/ SC			
14.0					NM				16.0	S.A.A. grading into gray fine SAND. Saturated @ 14'.
										Boring Terminated at Depth 16.0 ft Fine SAND.

WELL DETAIL



Native Backfill

CATLIN BORING LOG 208-016 FC100 GPJ CATLIN GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2869

1. WELL CONTRACTOR:

Bobbie D. Fowler
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB31/ TMW31

STATE WELL PERMIT #(if applicable): N/A

DWQ or OTHER PERMIT # (if applicable): N/A

WELL USE (Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____

DATE DRILLED: 04/21/2008

TIME COMPLETED: 14:30 **AM** ☐ **PM** ☒

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow

McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,152.3
EASTING: 286,862.7
UTM NAD83 (m)

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A

NAME OF FACILITY:

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | NC
City or Town | State | Zip Code

CONTACT PERSON: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 16

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒

c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A

f. DISINFECTION: Type N/A **Amount:** N/A

g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 11 ft.	2"	Sch. 40	PVC
From	_____ To _____ ft.	"		
From	_____ To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	11 To 16 Ft.	2 in.	Slot .010 in.	PVC
From	_____ To _____ Ft.	_____ in.	_____ in.	
From	_____ To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	_____ To _____ Ft.		
From	0 To 16 Ft.		
From	_____ To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie D. Fowler — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

Bobbie D. Fowler
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB31/ TMW31
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,152.3
EASTING: 286,862.7
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 16 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 13 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	11	ft.	2	in.
b. Casing Removed:	11	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 10 lb.
Type: Slurry ___ Pellets X
Water 4 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/25/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113)

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

WELL LOG

CATLIN ENGINEERS and SCIENTISTS
208-016
Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 208-016	STATE: NC	COUNTY: Onslow	LOCATION: MCB, Camp Lejeune
PROJECT NAME: FC-100 LSA		LOGGED BY: Justin Heter	WELL ID: FC100-SB32/ TMW32
		DRILLER: John E. Wood, III	
NORTHING: 3837161.5	EASTING: 286905.3	CREW: Chris Miller	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: See Map		T.O.C. ELEV.:
DRILL MACHINE: Diedrich D-50	METHOD: Direct Push	0 HOUR DTW:	TOTAL DEPTH: 12.0
START DATE: 4/14/08	FINISH DATE: 4/14/08	24 HOUR DTW:	WELL DEPTH: 12.0

DEPTH	BLOW COUNT 6in / 6in / 6in / 6in	OVA (ppm)	LAB.	USCS	LOG	SOIL AND ROCK DESCRIPTION	WELL DETAIL
						0.0 LAND SURFACE	0.0
0.0		0.0		SW		Gray fine to coarse SAND w/ large gravels. Well graded. Moist. No odor.	0.0
2.0		0.1		SP		2.0 Gray and light brown very fine SAND. Uniform. Med. dense. No odor.	2" Sch. 40 PVC
4.0		0.0	FC100 SB32 (4-6)	SP		4.0 S.A.A. except only light brown.	
6.0		0.2		SP/ SC		6.0 Light brown fine SAND to CLAYEY SAND. No odor. Wet.	7.0
8.0		NM					2" Slot .010 Sch. 40 PVC
10.0		NM		SP/ SC		10.0 S.A.A. except saturated.	
						12.0 Boring Terminated at Depth 12.0 ft Fine SAND.	12.0 12.0

Native Backfill

CATLIN BORING LOG 208-016 FC100.GPJ CATLIN.GDT 5/23/08

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID #(if applicable): FC100-SB32/ TMW32
STATE WELL PERMIT #(if applicable): N/A
DWQ or OTHER PERMIT # (if applicable): N/A
WELL USE(Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
DATE DRILLED: 04/14/2008
TIME COMPLETED: 15:00 **AM** ☐ **PM** ☒

3. WELL LOCATION:

CITY: MCB, Camp Lejeune COUNTY: Onslow
McHugh Blvd.,
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 3,837,161.5
EASTING: 286,905.3
UTM NAD83 (m)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☒ GPS ☐ Topo. map
(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4. FACILITY - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: McHugh Blvd.
MCB, Camp Lejeune | NC
City or Town | State | Zip Code
CONTACT PERSON: Mr. Andrew Smith
STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code
(910)- 451-9017
Area code - Phone number

5. WELL DETAILS:

a. TOTAL DEPTH: 12
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: _____ FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

e. YIELD (gpm): N/A **METHOD OF TEST:** N/A
f. DISINFECTION: Type N/A **Amount:** N/A
g. WATER ZONES(depth):
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

	Depth	Diameter	Thickness/ Weight	Material
From	0 To 7 ft.	2"	Sch. 40	PVC
From	_____ To _____ ft.	"		
From	_____ To _____ ft.	"		

7. GROUT:

	Depth	Material	Method
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		
From	_____ To _____ Ft.		

8. SCREEN:

	Depth	Diameter	Slot Size	Material
From	7 To 12 Ft.	2 in.	Slot .010 in.	PVC
From	_____ To _____ Ft.	_____ in.	_____ in.	
From	_____ To _____ Ft.	_____ in.	_____ in.	

9. SAND/GRAVEL PACK:

	Depth	Size	Material
From	_____ To _____ Ft.		
From	0 To 12 Ft.		
From	_____ To _____ Ft.		

10. DRILLING LOG

From	To	Formation Description
		SEE ATTACHED

11. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood — 6-5-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

John E. Wood, III
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-1b Rev. 7/05

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION #: 2799

CATLIN PROJECT NO.: 208-016

1. WELL CONTRACTOR:

John E. Wood, III
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

(910) - 452-5861
Area code - Phone number

2. WELL INFORMATION

SITE WELL ID # (if applicable): FC100-SB32/ TMW32
STATE WELL PERMIT # (if applicable): N.A.
COUNTY WELL PERMIT # (if applicable): N.A.
DWQ or OTHER PERMIT # (if applicable):
WELL USE (Check Applicable Box): Monitoring ☒ Residential ☐
Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐
Recovery ☐ Injection ☐ Irrigation ☐
Other (list use):

3. WELL LOCATION:

COUNTY: Onslow QUADRANGLE:
NEAREST TOWN: MCB, Camp Lejeune
McHugh Blvd., 28542
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other:

NORTHING: 3,837,161.5
EASTING: 286,905.3
UTM NAD83 (m)
May be in degrees, minutes seconds, or in a decimal

Latitude/longitude source: (GPS) Topo. map

(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only)

FACILITY ID #(if applicable)

NAME OF FACILITY: BUILDING FC-100

STREET ADDRESS: McHugh Blvd.

MCB, Camp Lejeune | North Carolina | 28542
City or Town | State | Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME: Mr. Andrew Smith

STREET ADDRESS: Attn: I&E/ EMD/ EQB/ PSC Box 20004

Camp Lejeune | NC | 28542-0004
City or Town | State | Zip Code

(910) 451-9017
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 12 ft. Diameter: 2 in.
b. Water Level (Below Measuring Point): 9 ft.
Measuring point is 0.0 ft. above land surface

6. CASING:

	Length		Diameter	
a. Casing Depth (if known):	7	ft.	2	in.
b. Casing Removed:	7	ft.	2	in.

7. DISINFECTION: N/A
(Amount of 70% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement
Cement _____ lb.
Water _____ gal.

Sand Cement
Cement _____ lb.
Water _____ gal.

Bentonite
Bentonite 5 lb.
Type: Slurry ☐ Pellets ☒
Water 2 gal.

Other
Type material _____
Amount _____

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Pull out temp. well and pour bentonite into boring.

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 4/18/2008

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

John Wood III 6-17-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113

John E. Wood, III
PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management,1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.

Modified from Form GW-30 Rev. 5/06

APPENDIX C

LABORATORY ANALYTICAL REPORTS

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/22/08

Technical Report for

Osage of Virginia

FC 100/CTO 012; Camp Lejeune, NC

208-018

Accutest Job Number: F56908

Sampling Date: 04/15/08



Report to:

Osage of Virginia

mcree@osageva.com

ATTN: Mike Cree

Total number of pages in report: 94

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

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3.15: F56908-15: FC100-TMW17 77
3.16: F56908-16: FC100-TMW14 81
3.17: F56908-17: FC100-TMW28 85
3.18: F56908-18: TRIP BLANK 89
Section 4: Misc. Forms **91**
4.1: Chain of Custody 92

Sample Summary

Osage of Virginia

Job No: F56908

FC 100/CTO 012; Camp Lejeune, NC
Project No: 208-018

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F56908-1	04/15/08	12:15	JH	04/16/08	SO	Soil	FC100-SB14 (6-8')
F56908-2	04/15/08	10:35	JH	04/16/08	SO	Soil	FC100-SB15 (4-6')
F56908-3	04/15/08	11:00	JH	04/16/08	SO	Soil	FC100-SB17 (6-8')
F56908-4	04/15/08	11:30	JH	04/16/08	SO	Soil	FC100-SB18 (6-8')
F56908-5	04/15/08	10:10	JH	04/16/08	SO	Soil	FC100-SB20 (4-6')
F56908-6	04/15/08	14:00	JH	04/16/08	SO	Soil	FC100-SB21 (4-6')
F56908-7	04/15/08	14:30	JH	04/16/08	SO	Soil	FC100-SB29 (2-4')
F56908-8	04/15/08	14:00	JH	04/16/08	SO	Soil	FC100-SB28 (4-6')
F56908-9	04/15/08	09:45	JH	04/16/08	SO	Soil	FC100-SB30 (4-6')
F56908-10	04/15/08	15:00	JH	04/16/08	SO	Soil	FC100-SB32 (6-8')
F56908-11	04/15/08	15:00	JH	04/16/08	SO	Soil	FC100-SB34 (2-4')
F56908-12	04/15/08	16:00	JH	04/16/08	SO	Soil	FC100-SB33 (4-6')
F56908-13	04/15/08	10:30	JH	04/16/08	AQ	Ground Water	FC100-TMW32

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Osage of Virginia

Job No: F56908

FC 100/CTO 012; Camp Lejeune, NC
Project No: 208-018

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F56908-14	04/15/08	12:30	JH	04/16/08	AQ	Ground Water	FC100-TMW20
F56908-15	04/15/08	13:05	JH	04/16/08	AQ	Ground Water	FC100-TMW17
F56908-16	04/15/08	13:50	JH	04/16/08	AQ	Ground Water	FC100-TMW14
F56908-17	04/15/08	14:50	JH	04/16/08	AQ	Ground Water	FC100-TMW28
F56908-18	04/15/08	00:00	JH	04/16/08	AQ	Trip Blank Water	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Osage of Virginia	Job No:	F56908
Site:	FC 100/CTO 012; Camp Lejeune, NC	Report Date:	5/6/2008 11:08:42 AM

17 Samples and 1 Trip Blank were collected on 04/15/2008 and were received at Accutest on 04/16/2008 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of F56908. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS by Method SW846 8260B

Matrix: AQ Batch ID: VB2215

All samples were analyzed within the recommended method holding time.

Samples F57015-7MS, F57015-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample F56908-18 has surrogates outside control limits. Probable cause: due to matrix interference.

Matrix: AQ Batch ID: VB2216

All samples were analyzed within the recommended method holding time.

Samples F56908-15MS, F56908-15MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery for Vinyl Acetate is outside control limits.

Matrix Spike Duplicate Recovery for Vinyl Acetate is outside control limits. Probable cause: due to matrix interference.

Sample F56908-18 has surrogates outside control limits. Probable cause: due to matrix interference.

F56908-18 for 1,2-Dichloroethane-D4: Outside control limits; however, sample is ND.

Matrix: SO Batch ID: VG1895

All samples were analyzed within the recommended method holding time.

Samples F56944-3MS, F56944-3MSD were used as the QC samples indicated.

Samples F56908-1, F56908-10, F56908-11, F56908-12, F56908-2, F56908-3, F56908-4, F56908-5, F56908-6, F56908-7, F56908-8, F56908-9 have compounds reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery for Dichlorodifluoromethane is outside control limits.

Matrix Spike Recoverys for 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, 2-Hexanone, Acetone, Bromoform, Chlorobenzene, cis-1,3-Dichloropropene, m-Dichlorobenzene, Methyl ethyl ketone, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Dichlorobenzene, Styrene, tert-Butylbenzene, trans-1,3-Dichloropropene, Trichloroethylene are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 2-Hexanone, Acetone, Methyl ethyl ketone, tert-Butylbenzene, trans-1,3-Dichloropropene are outside control limits. Probable cause: due to matrix interference.

RPDs for MSD for 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chlorobenzene, Chloroethane, cis-1,3-Dichloropropene, m-Dichlorobenzene, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, Styrene, trans-1,3-Dichloropropene, Trichloroethylene are outside control limits for sample F56944-3MSD. Probable cause due to sample non-homogeneity.

Sample F56908-18 has surrogates outside control limits. Probable cause: due to matrix interference.

F56908-1 for Acetone: CCV outside of control limits; results may be biased high.

F56908-1, F56908-2, F56908-3, F56908-4, F56908-5, F56908-6, F56908-7, F56908-8, F56908-9, F56908-10, F56908-11, F56908-12 for Methylene chloride: Suspected laboratory contaminant.

Extractables by GCMS by Method SW846 8270C

Matrix: AQ Batch ID: OP24833

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F56981-3MS, F56981-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recoverys for 3,3'-Dichlorobenzidine, 4-Nitrophenol, Benzoic Acid are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recovery for 3,3'-Dichlorobenzidine is outside control limits. Probable cause: due to matrix interference.

RPD for MSD for 3,3'-Dichlorobenzidine is outside control limits for sample OP24833-MSD. Probable cause due to sample non-homogeneity.

Samples OP24833-MS, OP24833-MSD have surrogates outside control limits. Probable cause: due to matrix interference.

Volatiles by GC by Method SW846 8015

Matrix: SO Batch ID: GQR1750

All samples were analyzed within the recommended method holding time.

Samples F56943-8MS, F56943-8MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC by Method SW846 8015 M

Matrix: SO Batch ID: OP24796

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F56908-3MS, F56908-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Metals by Method SW846 6010B

Matrix: SO Batch ID: MP14221

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F56907-1DUP, F56907-1MS, F56907-1MSD, F56907-1SDL were used as the QC samples for metals.

Matrix Spike Recoverys for Antimony, Arsenic, Cadmium, Potassium, Selenium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recoverys for Cadmium, Potassium, Selenium, Antimony, Arsenic, Vanadium are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Recoverys for Aluminum, Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

RPD for Duplicate for Vanadium is outside control limits for sample MP14221-D1. High RPD due to possible sample nonhomogeneity.

RPDs for MSD for Antimony, Arsenic, Vanadium are outside control limits for sample MP14221-S2. High RPD due to possible sample nonhomogeneity.

RPDs for Serial Dilution for Antimony, Beryllium, Calcium, Sodium, Aluminum, Barium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Vanadium, Zinc are outside control limits for sample MP14221-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP14221-SD1 for Aluminum, Barium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Vanadium, Zinc: Serial dilution indicates possible matrix interference.

F56908-1, F56908-2, F56908-3, F56908-4, F56908-5, F56908-6, F56908-7, F56908-8, F56908-9, F56908-10, F56908-11, F56908-12 for Thallium: Elevated reporting limits due to matrix interference.

Metals by Method SW846 7471A

Matrix: SO Batch ID: MP14236

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F56907-1MS, F56907-1MSD, F56907-1SDL, F56907-1DUP were used as the QC samples for metals.

Matrix Spike Duplicate Recovery for Mercury is outside control limits. Probable cause: due to matrix interference.

RPD for Duplicate for Mercury is outside control limits for sample MP14236-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD for Serial Dilution for Mercury is outside control limits for sample P14236-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry by Method SM19 2540B M

Matrix: SO Batch ID: GN30008

Sample F56908-1DUP was used as the QC sample for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: May 6, 2008

Ellen Pampel, Inorganic QA (signature on file)

Tuesday, May 06, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049952.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	30.0	56	28	ug/kg	J
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.1	ug/kg	
75-25-2	Bromoform	ND	5.6	1.1	ug/kg	
104-51-8	n-Butylbenzene	1.9	5.6	1.1	ug/kg	J
135-98-8	sec-Butylbenzene	3.3	5.6	1.2	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.6	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.9	ug/kg	
67-66-3	Chloroform	ND	5.6	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	1.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.2	ug/kg	
75-09-2	Methylene chloride [b]	9.5	11	5.6	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.1	ug/kg	
91-20-3	Naphthalene	4.6	5.6	2.2	ug/kg	J
103-65-1	n-Propylbenzene	ND	5.6	1.2	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.1	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	1.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	28	5.6	ug/kg	
1330-20-7	Xylene (total)	ND	17	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) CCV outside of control limits; results may be biased high.
(b) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040827.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.91 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.23	7.7	3.9	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21665.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	21.1	9.3	5.6	mg/kg	
	TPH (> C28-C40)	25.7	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2630	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.3	3.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.44	0.44	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.27	0.27	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.22	0.22	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	411	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.3	0.55	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.7	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.4	1.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	856	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.5	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.8	0.82	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.082	0.082	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.2	2.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 550	550	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.5	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 550	550	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	3.0	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	3.5	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049953.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.80 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	70	35	ug/kg	
71-43-2	Benzene	ND	7.0	1.4	ug/kg	
108-86-1	Bromobenzene	ND	7.0	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	7.0	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	1.4	ug/kg	
75-25-2	Bromoform	ND	7.0	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	7.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.0	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.0	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.0	3.7	ug/kg	
67-66-3	Chloroform	ND	7.0	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.0	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.0	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.0	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.0	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.0	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.0	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.0	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.0	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.0	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	1.4	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	1.4	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
98-82-8	Isopropylbenzene	ND	7.0	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.0	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.5	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride [a]	27.9	14	7.0	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.0	1.4	ug/kg	
91-20-3	Naphthalene	ND	7.0	2.8	ug/kg	
103-65-1	n-Propylbenzene	ND	7.0	1.5	ug/kg	
100-42-5	Styrene	ND	7.0	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.0	2.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.0	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.0	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.0	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.0	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	1.4	ug/kg	
108-88-3	Toluene	ND	7.0	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	7.0	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.0	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	35	7.0	ug/kg	
1330-20-7	Xylene (total)	ND	21	3.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040828.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.84 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21666.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.0	5.4	mg/kg	
	TPH (>C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3770	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.1	3.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.41	0.41	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.25	0.25	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.20	0.20	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	295	250	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.7	0.51	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.5	2.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	1050	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.1	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 250	250	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.4	0.76	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.080	0.080	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.0	2.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 510	510	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.1	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 510	510	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.0	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	2.6	2.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	13.7	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049954.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.59 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	74	37	ug/kg	
71-43-2	Benzene	ND	7.4	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.4	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.4	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.4	1.5	ug/kg	
75-25-2	Bromoform	ND	7.4	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.4	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.4	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.4	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.4	3.8	ug/kg	
67-66-3	Chloroform	ND	7.4	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.4	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.4	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.4	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.4	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.4	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.4	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.4	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.4	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.4	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.4	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.4	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.4	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.4	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.4	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.4	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.4	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.4	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.4	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.4	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.4	1.5	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.4	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.4	1.5	ug/kg	
591-78-6	2-Hexanone	ND	37	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.4	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.4	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	37	15	ug/kg	
74-83-9	Methyl bromide	ND	7.4	2.7	ug/kg	
74-87-3	Methyl chloride	ND	7.4	3.0	ug/kg	
75-09-2	Methylene chloride [a]	18.9	15	7.4	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	37	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.4	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.4	3.0	ug/kg	
103-65-1	n-Propylbenzene	ND	7.4	1.6	ug/kg	
100-42-5	Styrene	ND	7.4	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.4	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.4	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.4	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	3.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.4	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.4	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.4	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.4	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.4	1.5	ug/kg	
108-88-3	Toluene	ND	7.4	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.4	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.4	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	7.4	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	37	7.4	ug/kg	
1330-20-7	Xylene (total)	ND	22	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	93%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040829.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.82 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21667.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.8	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.8	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1400	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.40	0.40	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.25	0.25	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.20	0.20	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 250	250	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.7	0.51	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.5	2.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	345	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.1	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 250	250	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	10.8	0.76	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.079	0.079	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.0	2.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 510	510	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.1	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 510	510	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.0	2.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.5	2.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	< 1.0	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049955.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.56 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	75	37	ug/kg	
71-43-2	Benzene	ND	7.5	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.5	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.5	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.5	1.5	ug/kg	
75-25-2	Bromoform	ND	7.5	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.5	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.5	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.5	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.5	3.9	ug/kg	
67-66-3	Chloroform	ND	7.5	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.5	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.5	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.5	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.5	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.5	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.5	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.5	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.5	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.5	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.5	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.5	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.5	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.5	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.5	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.5	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.5	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.5	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.5	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.5	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.5	1.5	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.5	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.5	1.5	ug/kg	
591-78-6	2-Hexanone	ND	37	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.5	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.5	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	37	15	ug/kg	
74-83-9	Methyl bromide	ND	7.5	2.7	ug/kg	
74-87-3	Methyl chloride	ND	7.5	3.0	ug/kg	
75-09-2	Methylene chloride [a]	20.4	15	7.5	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	37	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.5	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.5	3.0	ug/kg	
103-65-1	n-Propylbenzene	ND	7.5	1.6	ug/kg	
100-42-5	Styrene	ND	7.5	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.5	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.5	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.5	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.5	3.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.5	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.5	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.5	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.5	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.5	1.5	ug/kg	
108-88-3	Toluene	ND	7.5	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.5	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.5	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	7.5	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	37	7.5	ug/kg	
1330-20-7	Xylene (total)	ND	22	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040830.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.74 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21670.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.9	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.9	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1450	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.2	3.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.43	0.43	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.27	0.27	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.9	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.7	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	439	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.7	0.80	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.089	0.089	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.53	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.7	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	< 1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049956.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	4.22 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	32	ug/kg	
71-43-2	Benzene	ND	6.4	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.3	ug/kg	
75-25-2	Bromoform	ND	6.4	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.3	ug/kg	
67-66-3	Chloroform	ND	6.4	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.4	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride [a]	44.4	13	6.4	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.4	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	1.4	ug/kg	
100-42-5	Styrene	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.3	ug/kg	
108-88-3	Toluene	ND	6.4	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.4	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040831.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.01 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21673.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.0	5.4	mg/kg	
	TPH (>C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	60%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7890	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.2	3.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	1.3	0.43	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	16.5	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.27	0.27	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	8.6	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.7	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	1.7	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	3480	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	7.5	0.80	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.086	0.086	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	2.7	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.53	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	11.8	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	4.4	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049957.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	4.06 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	68	34	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.8	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.4	ug/kg	
75-25-2	Bromoform	ND	6.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.8	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.8	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.8	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	3.6	ug/kg	
67-66-3	Chloroform	ND	6.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.8	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.8	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.8	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.8	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.8	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.8	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.8	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride [a]	32.8	14	6.8	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	6.8	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.8	1.5	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.8	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.8	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.8	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.4	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	6.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	34	6.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	2.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040832.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	2.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	14	7.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21674.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.2	5.5	mg/kg	
	TPH (>C28-C40)	6.46	9.2	5.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2510	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.2	3.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.42	0.42	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.26	0.26	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.9	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	729	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.6	0.79	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.087	0.087	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.53	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	3.7	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049958.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	4.75 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	32	ug/kg	
71-43-2	Benzene	ND	6.4	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.3	ug/kg	
75-25-2	Bromoform	ND	6.4	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.3	ug/kg	
67-66-3	Chloroform	ND	6.4	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.4	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.5	ug/kg	
75-09-2	Methylene chloride [a]	40.4	13	6.4	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.4	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	1.4	ug/kg	
100-42-5	Styrene	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.3	ug/kg	
108-88-3	Toluene	ND	6.4	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.4	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040833.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.22 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		56-136%
98-08-8	aaa-Trifluorotoluene	72%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21675.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.0	mg/kg	
	TPH (> C28-C40)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6100	12	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.6	3.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.71	0.48	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 12	12	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.30	0.30	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.24	0.24	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	6000	300	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	6.8	0.60	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 3.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	1.7	1.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	1900	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 6.0	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	311	300	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	8.7	0.91	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.093	0.093	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.4	2.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 600	600	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 6.0	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.60	0.60	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 600	600	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.4	2.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	8.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	5.1	1.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049959.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.77 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	81	40	ug/kg	
71-43-2	Benzene	ND	8.1	1.6	ug/kg	
108-86-1	Bromobenzene	ND	8.1	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	8.1	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	8.1	1.6	ug/kg	
75-25-2	Bromoform	ND	8.1	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	8.1	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	8.1	1.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	8.1	1.9	ug/kg	
108-90-7	Chlorobenzene	ND	8.1	1.6	ug/kg	
75-00-3	Chloroethane	ND	8.1	4.2	ug/kg	
67-66-3	Chloroform	ND	8.1	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	8.1	1.9	ug/kg	
106-43-4	p-Chlorotoluene	ND	8.1	1.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	8.1	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.1	1.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	8.1	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	8.1	1.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	8.1	1.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8.1	1.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.1	2.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	8.1	1.6	ug/kg	
108-20-3	Di-Isopropyl ether	ND	8.1	1.6	ug/kg	
594-20-7	2,2-Dichloropropane	ND	8.1	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	8.1	1.6	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	8.1	3.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	8.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.1	1.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	8.1	1.6	ug/kg	
95-50-1	o-Dichlorobenzene	ND	8.1	1.6	ug/kg	
106-46-7	p-Dichlorobenzene	ND	8.1	1.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	8.1	1.6	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	8.1	1.6	ug/kg	
100-41-4	Ethylbenzene	ND	8.1	1.6	ug/kg	
591-78-6	2-Hexanone	ND	40	16	ug/kg	
98-82-8	Isopropylbenzene	ND	8.1	1.6	ug/kg	
99-87-6	p-Isopropyltoluene	ND	8.1	1.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	40	16	ug/kg	
74-83-9	Methyl bromide	ND	8.1	2.9	ug/kg	
74-87-3	Methyl chloride	ND	8.1	3.2	ug/kg	
75-09-2	Methylene chloride [a]	41.8	16	8.1	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	40	16	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8.1	1.6	ug/kg	
91-20-3	Naphthalene	ND	8.1	3.2	ug/kg	
103-65-1	n-Propylbenzene	ND	8.1	1.8	ug/kg	
100-42-5	Styrene	ND	8.1	1.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.1	1.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.1	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.1	1.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	8.1	3.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	8.1	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8.1	1.8	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	8.1	1.8	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	8.1	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	8.1	1.6	ug/kg	
108-88-3	Toluene	ND	8.1	1.6	ug/kg	
79-01-6	Trichloroethylene	ND	8.1	1.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.1	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	8.1	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	40	8.1	ug/kg	
1330-20-7	Xylene (total)	ND	24	3.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	87%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	92%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040834.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.82 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	9.1	4.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21676.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.1	mg/kg	
	TPH (>C28-C40)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1550	12	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.6	3.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.48	0.48	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 12	12	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.30	0.30	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.24	0.24	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 300	300	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.3	0.60	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 3.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.5	1.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	556	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 6.0	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 300	300	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.7	0.90	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.094	0.094	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.4	2.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 600	600	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 6.0	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.60	0.60	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 600	600	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.4	2.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 3.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	< 1.2	1.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049960.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.69 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	73	37	ug/kg	
71-43-2	Benzene	ND	7.3	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.3	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.3	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.3	1.5	ug/kg	
75-25-2	Bromoform	ND	7.3	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.3	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.3	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.3	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.3	3.8	ug/kg	
67-66-3	Chloroform	ND	7.3	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.3	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.3	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.3	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.3	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.3	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.3	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.3	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.3	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.3	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.3	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.3	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.3	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.3	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.3	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.3	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.3	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.3	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.3	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.3	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.3	1.5	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.3	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.3	1.5	ug/kg	
591-78-6	2-Hexanone	ND	37	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.3	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.3	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	37	15	ug/kg	
74-83-9	Methyl bromide	ND	7.3	2.6	ug/kg	
74-87-3	Methyl chloride	ND	7.3	2.9	ug/kg	
75-09-2	Methylene chloride [a]	29.7	15	7.3	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	37	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.3	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.3	2.9	ug/kg	
103-65-1	n-Propylbenzene	ND	7.3	1.6	ug/kg	
100-42-5	Styrene	ND	7.3	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.3	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.3	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	2.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.3	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.3	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.3	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.3	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.3	1.5	ug/kg	
108-88-3	Toluene	ND	7.3	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.3	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	7.3	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	37	7.3	ug/kg	
1330-20-7	Xylene (total)	ND	22	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	96%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040837.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.60 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.9	3.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21677.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.0	5.4	mg/kg	
	TPH (> C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1940	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.1	3.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.54	0.42	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.26	0.26	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	3.1	0.52	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	978	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.2	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.4	0.78	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.082	0.082	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 520	520	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.2	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.52	0.52	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 520	520	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	5.5	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	< 1.0	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049961.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.51 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	75	38	ug/kg	
71-43-2	Benzene	ND	7.5	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.5	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.5	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.5	1.5	ug/kg	
75-25-2	Bromoform	ND	7.5	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.5	1.7	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.5	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.5	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.5	3.9	ug/kg	
67-66-3	Chloroform	ND	7.5	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.5	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.5	1.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.5	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.5	1.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.5	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.5	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.5	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.5	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.5	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.5	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.5	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.5	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.5	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.5	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.5	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.5	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.5	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.5	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.5	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.5	1.5	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.5	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.5	1.5	ug/kg	
591-78-6	2-Hexanone	ND	38	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.5	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.5	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	38	15	ug/kg	
74-83-9	Methyl bromide	ND	7.5	2.7	ug/kg	
74-87-3	Methyl chloride	ND	7.5	3.0	ug/kg	
75-09-2	Methylene chloride [a]	27.6	15	7.5	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	38	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.5	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.5	3.0	ug/kg	
103-65-1	n-Propylbenzene	ND	7.5	1.7	ug/kg	
100-42-5	Styrene	ND	7.5	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.5	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.5	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.5	3.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.5	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.5	1.7	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.5	1.7	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.5	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.5	1.5	ug/kg	
108-88-3	Toluene	ND	7.5	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.5	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.5	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	7.5	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	38	7.5	ug/kg	
1330-20-7	Xylene (total)	ND	23	3.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	98%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040838.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.20 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21678.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.8	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.8	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2430	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.1	3.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.41	0.41	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.26	0.26	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	315	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	3.7	0.52	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	723	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.2	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.6	0.77	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.077	0.077	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	2.4	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 520	520	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.2	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.52	0.52	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 520	520	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.0	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.6	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049962.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	4.80 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	30	ug/kg	
71-43-2	Benzene	ND	5.9	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.2	ug/kg	
75-25-2	Bromoform	ND	5.9	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.1	ug/kg	
67-66-3	Chloroform	ND	5.9	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.9	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
75-09-2	Methylene chloride [a]	25.3	12	5.9	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.2	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.3	ug/kg	
100-42-5	Styrene	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.2	ug/kg	
108-88-3	Toluene	ND	5.9	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	1.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	30	5.9	ug/kg	
1330-20-7	Xylene (total)	ND	18	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	90%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040839.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.45 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		56-136%
98-08-8	aaa-Trifluorotoluene	73%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21679.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.4	5.6	mg/kg	
	TPH (>C28-C40)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7710	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.3	3.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.66	0.44	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.28	0.28	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.22	0.22	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 280	280	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	9.2	0.55	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.8	2.8	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.4	1.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	2630	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.5	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 280	280	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	3.9	0.83	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.090	0.090	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.2	2.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 550	550	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.5	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 550	550	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	11.3	2.8	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	3.8	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049963.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.90 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	86	43	ug/kg	
71-43-2	Benzene	ND	8.6	1.7	ug/kg	
108-86-1	Bromobenzene	ND	8.6	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	8.6	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	8.6	1.7	ug/kg	
75-25-2	Bromoform	ND	8.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	8.6	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	8.6	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	8.6	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	8.6	1.7	ug/kg	
75-00-3	Chloroethane	ND	8.6	4.5	ug/kg	
67-66-3	Chloroform	ND	8.6	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	8.6	2.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	8.6	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	8.6	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.6	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	8.6	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	8.6	1.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	8.6	1.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8.6	1.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.6	2.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	8.6	1.7	ug/kg	
108-20-3	Di-Isopropyl ether	ND	8.6	1.7	ug/kg	
594-20-7	2,2-Dichloropropane	ND	8.6	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	8.6	1.7	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	8.6	3.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	8.6	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.6	1.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	8.6	1.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	8.6	1.7	ug/kg	
106-46-7	p-Dichlorobenzene	ND	8.6	1.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	8.6	1.7	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	8.6	1.7	ug/kg	
100-41-4	Ethylbenzene	ND	8.6	1.7	ug/kg	
591-78-6	2-Hexanone	ND	43	17	ug/kg	
98-82-8	Isopropylbenzene	ND	8.6	1.7	ug/kg	
99-87-6	p-Isopropyltoluene	ND	8.6	1.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	43	17	ug/kg	
74-83-9	Methyl bromide	ND	8.6	3.1	ug/kg	
74-87-3	Methyl chloride	ND	8.6	3.4	ug/kg	
75-09-2	Methylene chloride [a]	36.3	17	8.6	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	43	17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	8.6	3.4	ug/kg	
103-65-1	n-Propylbenzene	ND	8.6	1.9	ug/kg	
100-42-5	Styrene	ND	8.6	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.6	1.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.6	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.6	1.7	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	8.6	3.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	8.6	3.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8.6	1.9	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	8.6	1.9	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	8.6	1.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	8.6	1.7	ug/kg	
108-88-3	Toluene	ND	8.6	1.7	ug/kg	
79-01-6	Trichloroethylene	ND	8.6	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.6	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	8.6	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	43	8.6	ug/kg	
1330-20-7	Xylene (total)	ND	26	3.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040840.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.03 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21680.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	11	6.7	mg/kg	
	TPH (> C28-C40)	ND	11	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	**Date Sampled:**	04/15/08
Matrix:	SO - Soil	**Date Received:**	04/16/08
		Percent Solids:	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6720	13	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.9	3.9	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.57	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	13.9	13	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.33	0.33	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.26	0.26	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 330	330	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	6.6	0.66	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 3.3	3.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.6	1.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	683	6.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 6.6	6.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 330	330	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.2	0.99	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.11	0.11	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 660	660	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 6.6	6.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.66	0.66	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 660	660	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	3.7	3.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.9	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-TMW32		
Lab Sample ID:	F56908-13	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052775.D	1	04/26/08	LD	n/a	n/a	VB2215
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW32		
Lab Sample ID:	F56908-13	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	108%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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

Report of Analysis

Client Sample ID:	FC100-TMW32		
Lab Sample ID:	F56908-13	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001769.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.0	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW32		
Lab Sample ID:	F56908-13	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	89%		33-118%
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	72%		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

Report of Analysis

Client Sample ID:	FC100-TMW20		
Lab Sample ID:	F56908-14	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052776.D	1	04/26/08	LD	n/a	n/a	VB2215
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW20		
Lab Sample ID:	F56908-14	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	109%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

Report of Analysis

Client Sample ID:	FC100-TMW20		
Lab Sample ID:	F56908-14	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001770.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.0	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW20		
Lab Sample ID:	F56908-14	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	93%		33-118%
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	75%		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

Report of Analysis

Client Sample ID:	FC100-TMW17		
Lab Sample ID:	F56908-15	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052782.D	1	04/26/08	LD	n/a	n/a	VB2216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW17		
Lab Sample ID:	F56908-15	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	111%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

Report of Analysis

Client Sample ID:	FC100-TMW17		
Lab Sample ID:	F56908-15	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001771.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	0.95	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.95	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.95	ug/l	
	3&4-Methylphenol	ND	4.8	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.95	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.95	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	1.9	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.95	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	1.2	ug/l	

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

Report of Analysis

Client Sample ID:	FC100-TMW17		
Lab Sample ID:	F56908-15	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	1.4	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	1.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	1.4	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.95	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.95	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	1.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.4	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
78-59-1	Isophorone	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	1.1	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.95	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-62%
4165-62-2	Phenol-d5	22%		10-40%
118-79-6	2,4,6-Tribromophenol	90%		33-118%
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	75%		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

Report of Analysis

Client Sample ID:	FC100-TMW14		
Lab Sample ID:	F56908-16	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052783.D	1	04/26/08	LD	n/a	n/a	VB2216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW14		
Lab Sample ID:	F56908-16	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	111%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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

Report of Analysis

Client Sample ID:	FC100-TMW14		
Lab Sample ID:	F56908-16	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001772.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW14		
Lab Sample ID:	F56908-16	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	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	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-62%
4165-62-2	Phenol-d5	22%		10-40%
118-79-6	2,4,6-Tribromophenol	92%		33-118%
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	76%		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

Report of Analysis

Client Sample ID:	FC100-TMW28		
Lab Sample ID:	F56908-17	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052784.D	1	04/26/08	LD	n/a	n/a	VB2216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	0.61	1.0	0.33	ug/l	J
135-98-8	sec-Butylbenzene	1.0	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.32	1.0	0.21	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW28		
Lab Sample ID:	F56908-17	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.31	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	1.2	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.5	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	113%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

Report of Analysis

Client Sample ID:	FC100-TMW28		
Lab Sample ID:	F56908-17	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001773.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.9	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.99	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.99	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.9	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.9	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.99	ug/l	
	3&4-Methylphenol	ND	5.0	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.99	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.9	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.9	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.99	ug/l	
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	0.99	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.99	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.99	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.99	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.99	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.99	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	0.99	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	0.99	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.99	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.99	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.99	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW28		
Lab Sample ID:	F56908-17	**Date Sampled:**	04/15/08
Matrix:	AQ - Ground Water	**Date Received:**	04/16/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.99	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.99	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.9	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.99	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.99	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.99	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.99	ug/l	
78-59-1	Isophorone	ND	5.0	0.99	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.99	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.99	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.99	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.99	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.99	ug/l	
129-00-0	Pyrene	ND	5.0	0.99	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	91%		33-118%
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	79%		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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F56908-18	**Date Sampled:**	04/15/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052801.D	1	04/26/08	LD	n/a	n/a	VB2216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F56908-18	**Date Sampled:**	04/15/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/16/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	129% [a]		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	113%		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

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F56908 PAGE 1 OF 2

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Catlin
Address: 230 Old Dairy Rd.
City: Wilmington State: NC Zip: 28405
Project Contact: Steve Hudson E-mail: Steve.Hudson@catlin-usa.com
Phone# 910-452-5861 Fax #
Sampler(s) Name(s) (Printed): Justin Hefner

Project Information

Project Name: FC100 CTO 012
Street
City: Camp Lejeune State: NC
Project #: 208-018
Client Purchase Order #

Analytical Information

Accutest Sample #	Field ID / Point of Collection		Date	Time	Sampled By	Matrix	Total # of Bottles	Other	Vols Soil Encore	Multiple Analytes
1	FC100-SB14	(6-8')	4/15	1215	JH	SO	4		3	1
2	FC100-SB15	(4-6')	4/15	1035						
3	FC100-SB17	(6-8')	4/15	1100						
4	FC100-SB18	(6-8')	4/15	1130						
5	FC100-SB20	(4-6')	4/15	1010						
6	FC100-SB21	(4-6')	4/15	1400						
7	FC100-SB29	(2-4')	4/15	1430						
8	FC100-SB28	(4-6')	4/15	1400						
9	FC100-SB30	(4-6')	4/15	0945						
10	FC100-SB32	(4-6')	4/14	1500						
11	FC100-SB34	(2-4')	4/15	1500						
12	FC100-SB33	(4-6')	4/14	1600						

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Labtrk

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [x] EDD'S

Call Steve Hudson w/ CATLIN

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 4/15 1530	Received By:	4/14/08 1597	Relinquished by:	Date Time: 4/15/08 1700	Received By: 0930 4 Fedex Ground 7946 0469
Relinquished by: 5	Date Time:	Received By: 6		Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 1.8 - 3.2

4.1.4

F56908: Chain of Custody
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Chain of Custody

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Accutest JOB # F56908 PAGE 2 OF 2

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Catlin
Address: 220 Old Dairy Rd.
City: Wilmington State: NC Zip:
Project Contact: Steve Hudson E-mail:
Phone#: 910.452.5861
Sampler(s) Name(s) (Printed): Justin Hester

Project Information

Project Name: FC100 CTO 012
Street:
City: Camp Lejeune State: NC
Project #: 208-012
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HNO3	H2SO4	NaOH	Na2S2O3	DI Water	MeOH	VOC by SW846 8260B	SVOC by SW846 8270C
13	FC100-TMW32	4/15	1030	Terry	GW	5		2	3						3	2
14	FC100-TMW20	"	1230	"	"	"		"	"						"	"
15	FC100-TMW17	"	1305	"	"	"		"	"						"	"
16	FC100-TMW14	"	1350	"	"	"		"	"						"	"
17	FC100-TMW28	"	1450	"	"	"		"	"						"	"
18	Trip Blank															

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Push Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [x] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Justin Hester	4/15 1530	2 4/15/08 1531	3	4/15/08 1700	4 Fedex Northwest 04-16-8 0930
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 1.8 - 2.2

4.1.4

F56908: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F56908 CLIENT: Catlin PROJECT: FC100 CT0012

DATE/TIME RECEIVED: 04-16-08 0930 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 1.8 2.2

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

AIRBILL NUMBERS: 865158241518

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
- [ ] 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 ? 36
NUMBER OF 5035 FIELD KITS ? 0
NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: FOR SAMPLE #8 TIME ON COC 14:30 ON LABELS 14:20

TECHNICIAN SIGNATURE/DATE F.M. 04-16-08 TECHNICIAN SIGNATURE/DATE JC 4-16-08 ASBD 12/17/07

4.1 4

F56908: Chain of Custody
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Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/22/08



Technical Report for

Osage of Virginia

FC 100/CTO 012; Camp Lejeune, NC

208-016

Accutest Job Number: F57063

Sampling Dates: 04/21/08 - 04/22/08

Report to:

Osage of Virginia

mcree@osageva.com

ATTN: Mike Cree

Total number of pages in report: 73

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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 Summary

Osage of Virginia

Job No: F57063

FC 100/CTO 012; Camp Lejeune, NC
Project No: 208-016

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F57063-1	04/21/08	15:20 JH	04/23/08	SO	Soil	FC100-SB27 (2-4')
F57063-2	04/21/08	15:00 JH	04/23/08	SO	Soil	FC100-SB19 (6-8')
F57063-3	04/21/08	14:30 JH	04/23/08	SO	Soil	FC100-SB31 (6-8')
F57063-4	04/22/08	09:30 JH	04/23/08	SO	Soil	FC100-SB36 (2-4')
F57063-5	04/22/08	09:10 JH	04/23/08	SO	Soil	FC100-SB25 (2-4')
F57063-6	04/22/08	08:45 JH	04/23/08	SO	Soil	FC100-SB26 (2-4')
F57063-7	04/22/08	10:30 JH	04/23/08	SO	Soil	FC100-SB23 (2-4')
F57063-8	04/22/08	10:15 JH	04/23/08	SO	Soil	FC100-SB24 (2-4')
F57063-9	04/22/08	09:45 JH	04/23/08	SO	Soil	FC100-SB35 (2-4')
F57063-10	04/22/08	13:30 JH	04/23/08	SO	Soil	FC100-SB22 (2-4')
F57063-11	04/22/08	11:25 JH	04/23/08	AQ	Ground Water	FC100-TMW26
F57063-12	04/22/08	12:00 JH	04/23/08	AQ	Ground Water	FC100-TMW24
F57063-13	04/22/08	12:30 JH	04/23/08	AQ	Ground Water	FC100-TMW23

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Osage of Virginia

Job No: F57063

FC 100/CTO 012; Camp Lejeune, NC
Project No: 208-016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F57063-14	04/22/08	13:22	JH	04/23/08	AQ	Ground Water	FC100-TMW31
F57063-15	04/22/08	13:50	JH	04/23/08	AQ	Ground Water	FC100-TMW19

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Osage of Virginia	Job No:	F57063
Site:	FC 100/CTO 012; Camp Lejeune, NC	Report Date:	5/15/2008 9:46:28 AM

15 Samples were collected on 04/21/2008 and 04/22/2008 and were received at Accutest on 04/23/2008 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F57063. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS by Method SW846 8260B

Matrix: AQ Batch ID: VJ2455

All samples were analyzed within the recommended method holding time.

Samples F57063-15MS, F57063-15MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Samples F57063-11, F57063-13 have compounds reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery for Vinyl Acetate is outside control limits.

Matrix Spike and Matrix Spike Duplicate Recoverys for Vinyl Acetate, Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Sample F57080-22MSD has surrogates outside control limits. Probable cause: due to matrix interference.

F57063-11, F57063-12, F57063-13: Sample was treated with an anti-foaming agent.

F57063-14 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO Batch ID: VF642

All samples were analyzed within the recommended method holding time.

Samples F57063-8MS, F57063-8MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Samples F57063-10, F57063-8, F57063-9 have compounds reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Matrix Spike Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, Naphthalene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, m-Dichlorobenzene, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

RPDs for MSD for 1,2,4-Trimethylbenzene, n-Butylbenzene, p-Isopropyltoluene, sec-Butylbenzene are outside control limits for sample F57063-8MSD. Probable cause due to sample non-homogeneity.

Sample F57080-22MSD has surrogates outside control limits. Probable cause: due to matrix interference.

F57063-8, F57063-9, F57063-10 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO Batch ID: VG1900

F57063-3: Confirmation run.

Matrix: SO Batch ID: VG1901

All samples were analyzed within the recommended method holding time.

Samples F57131-2MS, F57131-2MSD were used as the QC samples indicated.

Sample F57063-3 has compounds reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recoverys for Acetone, Carbon tetrachloride, Chloroethane, Methyl ethyl ketone are outside control limits.

Volatiles by GCMS by Method SW846 8260B

Matrix: SO Batch ID: VG1901

Matrix Spike Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, Bromoform, Chlorobenzene, cis-1,3-Dichloropropene, Ethylbenzene, Isopropylbenzene, m-Dichlorobenzene, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, trans-1,3-Dichloropropene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, Bromoform, Carbon tetrachloride, Chlorobenzene, cis-1,3-Dichloropropene, Dibromochloromethane, Ethylbenzene, Isopropylbenzene, m-Dichlorobenzene, n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethylene, trans-1,3-Dichloropropene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

F57063-3: Sample was received in a bulk container but was not preserved within 48 hours of sampling.

F57063-3: Confirmation run. Results from different vials are not consistant.

F57063-3 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO Batch ID: VG1902

Samples F57131-5MS, F57131-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were re-run outside of holding time for method SW846 8260B: F57063-3. Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix Spike Recoverys for 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene are outside control limits. Probable cause: due to matrix interference.

F57063-3: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix: SO Batch ID: VH1829

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57080-22MS, F57080-22MSD were used as the QC samples indicated.

Blank Spike Recoverys for 1,1-Dichloroethane, cis-1,2-Dichloroethylene, Di-Isopropyl ether, Dichlorodifluoromethane are outside control limits.

Matrix Spike Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 2-Hexanone, Acetone, Bromobenzene, Methyl ethyl ketone, trans-1,3-Dichloropropene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Bromobenzene, Isopropylbenzene, Methyl ethyl ketone, n-Propylbenzene, Naphthalene, o-Chlorotoluene, trans-1,3-Dichloropropene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Sample F57080-22MSD has surrogates outside control limits. Probable cause: due to matrix interference.

F57063-1, F57063-4, F57063-5, F57063-6, F57063-7 for Methylene chloride: Suspected laboratory contaminant.

Extractables by GCMS by Method SW846 8270C

Matrix: AQ Batch ID: OP24897

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57112-2MS, F57112-2MSD were used as the QC samples indicated.

Blank Spike Recoverys for Hexachloroethane is outside control limits. OP24897-BS for Hexachloroethane: Sporadic marginal failure.

Matrix Spike Duplicate Recovery for Benzoic Acid is outside control limits. Probable cause: due to matrix interference.

RPD for MSD for Benzoic Acid is outside control limits for sample OP24897-MSD. Probable cause due to sample non-homogeneity.

Sample OP24897-MS has surrogates outside control limits. Probable cause: due to matrix interference.

Volatiles by GC by Method SW846 8015

Matrix: SO Batch ID: GQR1759

All samples were analyzed within the recommended method holding time.

Samples F57063-10MS, F57063-10MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: SO Batch ID: GQR1760

All samples were analyzed within the recommended method holding time.

Samples F57101-7MS, F57101-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC by Method SW846 8015 M

Matrix: SO Batch ID: OP24862

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F57063-1MS, F57063-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Duplicate Recovery for TPH (>C28-C40) is outside control limits. Probable cause: due to matrix interference.

Wet Chemistry by Method SM19 2540B M

Matrix: SO Batch ID: GN30095

Sample F57063-1DUP was used as the QC sample for Solids, Percent.

Matrix: SO Batch ID: GN30096

Sample F57063-4DUP was used as the QC sample for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: May 15, 2008

Ellen Pampel, Inorganic QA (signature on file)

Thursday, May 15, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	FC100-SB27 (2-4')		
Lab Sample ID:	F57063-1	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049128.D	1	05/01/08	SH	04/23/08 13:35	n/a	VH1829
Run #2							

	Initial Weight
Run #1	3.95 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	70	35	ug/kg	
71-43-2	Benzene	ND	7.0	1.4	ug/kg	
108-86-1	Bromobenzene	ND	7.0	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	7.0	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	1.4	ug/kg	
75-25-2	Bromoform	ND	7.0	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	7.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.0	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.0	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.0	3.6	ug/kg	
67-66-3	Chloroform	ND	7.0	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.0	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.0	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.0	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.0	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.0	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.0	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.0	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.0	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.0	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	1.4	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB27 (2-4')		
Lab Sample ID:	F57063-1	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	1.4	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
98-82-8	Isopropylbenzene	ND	7.0	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.0	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.5	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride [a]	11.1	14	7.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.0	1.4	ug/kg	
91-20-3	Naphthalene	ND	7.0	2.8	ug/kg	
103-65-1	n-Propylbenzene	ND	7.0	1.5	ug/kg	
100-42-5	Styrene	ND	7.0	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.0	2.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.0	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.0	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.0	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.0	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	1.4	ug/kg	
108-88-3	Toluene	ND	7.0	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	7.0	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.0	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	35	7.0	ug/kg	
1330-20-7	Xylene (total)	ND	21	2.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	82%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB27 (2-4')		
Lab Sample ID:	F57063-1	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	90.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041040.D	1	04/24/08	MM	04/23/08 13:35	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.22 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB27 (2-4')		
Lab Sample ID:	F57063-1	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21795.D	1	04/30/08	NY	04/24/08	OP24862	GLL807
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	9.55	9.2	5.5	mg/kg	
	TPH (>C28-C40)	21.0	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB19 (6-8')		
Lab Sample ID:	F57063-2	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	92.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049129.D	1	05/01/08	SH	04/23/08 13:35	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.17 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	65	32	ug/kg	
71-43-2	Benzene	ND	6.5	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.5	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	1.3	ug/kg	
75-25-2	Bromoform	ND	6.5	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.5	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.5	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.5	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.4	ug/kg	
67-66-3	Chloroform	ND	6.5	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.5	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.5	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.5	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.5	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.5	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.5	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.5	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.5	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.5	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.5	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB19 (6-8')		
Lab Sample ID:	F57063-2	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	92.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.5	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.5	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.5	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.5	1.4	ug/kg	
100-42-5	Styrene	ND	6.5	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.5	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.5	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.5	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	1.3	ug/kg	
108-88-3	Toluene	ND	6.5	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	82%		77-123%

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

Report of Analysis

Client Sample ID:	FC100-SB19 (6-8')		
Lab Sample ID:	F57063-2	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	92.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041041.D	1	04/24/08	MM	04/23/08 13:35	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.25 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB19 (6-8')		
Lab Sample ID:	F57063-2	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	92.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21779.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.0	5.4	mg/kg	
	TPH (> C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0050145.D	1	05/05/08	SH	04/23/08 14:05	n/a	VG1901
Run #2 [b]	G0050187.D	1	05/06/08	SH	04/23/08 14:05	n/a	VG1902
Run #3 [c]	G0050114.D	1	05/02/08	SH	04/23/08 14:05	n/a	VG1900
Run #4 [d]	G0050144.D	1	05/05/08	SH	04/23/08 14:05	n/a	VG1901

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	100 ul
Run #2	5.45 g	5.0 ml	10.0 ul
Run #3	4.32 g	5.0 ml	100 ul
Run #4	4.32 g	5.0 ml	100 ul

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2800	1400	ug/kg	
71-43-2	Benzene	ND	280	55	ug/kg	
108-86-1	Bromobenzene	ND	280	55	ug/kg	
74-97-5	Bromochloromethane	ND	280	55	ug/kg	
75-27-4	Bromodichloromethane	ND	280	55	ug/kg	
75-25-2	Bromoform	ND	280	55	ug/kg	
104-51-8	n-Butylbenzene	2990	280	55	ug/kg	
135-98-8	sec-Butylbenzene	604	280	61	ug/kg	
98-06-6	tert-Butylbenzene	ND	280	66	ug/kg	
108-90-7	Chlorobenzene	ND	280	55	ug/kg	
75-00-3	Chloroethane	ND	280	140	ug/kg	
67-66-3	Chloroform	ND	280	55	ug/kg	
95-49-8	o-Chlorotoluene	ND	280	66	ug/kg	
106-43-4	p-Chlorotoluene	ND	280	61	ug/kg	
56-23-5	Carbon tetrachloride	ND	280	72	ug/kg	
75-34-3	1,1-Dichloroethane	ND	280	61	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	280	55	ug/kg	
563-58-6	1,1-Dichloropropene	ND	280	55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	280	55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	280	55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	280	72	ug/kg	
142-28-9	1,3-Dichloropropane	ND	280	55	ug/kg	
108-20-3	Di-Isopropyl ether	ND	280	55	ug/kg	
594-20-7	2,2-Dichloropropane	ND	280	66	ug/kg	
124-48-1	Dibromochloromethane	ND	280	55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	280	110	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	280	55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	280	55	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	280	55	ug/kg	
95-50-1	o-Dichlorobenzene	ND	280	55	ug/kg	
106-46-7	p-Dichlorobenzene	ND	280	55	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	280	55	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	280	55	ug/kg	
100-41-4	Ethylbenzene	3670	280	55	ug/kg	
591-78-6	2-Hexanone	ND	1400	550	ug/kg	
98-82-8	Isopropylbenzene	666	280	55	ug/kg	
99-87-6	p-Isopropyltoluene	475	280	55	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1400	550	ug/kg	
74-83-9	Methyl bromide	ND	280	99	ug/kg	
74-87-3	Methyl chloride	ND	280	110	ug/kg	
75-09-2	Methylene chloride [e]	1090	550	280	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	1400	550	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	280	55	ug/kg	
91-20-3	Naphthalene	5120	280	110	ug/kg	
103-65-1	n-Propylbenzene	5960	280	61	ug/kg	
100-42-5	Styrene	ND	280	55	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	280	55	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	280	72	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	280	55	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	280	110	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	280	100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	280	61	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	99800 [f]	2800	610	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	39100 [f]	2800	550	ug/kg	
127-18-4	Tetrachloroethylene	ND	280	55	ug/kg	
108-88-3	Toluene	372	280	55	ug/kg	
79-01-6	Trichloroethylene	ND	280	55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	280	88	ug/kg	
75-01-4	Vinyl chloride	ND	280	77	ug/kg	
108-05-4	Vinyl Acetate	ND	1400	280	ug/kg	
1330-20-7	Xylene (total)	68900 [f]	8300	1200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	97%	102%	101%	80-121%
2037-26-5	Toluene-D8	95%	91%	91%	71-130%
460-00-4	4-Bromofluorobenzene	113%	99%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	96%	101%	77-123%

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

Report of Analysis

Client Sample ID:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.
(b) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(c) Confirmation run.
(d) Confirmation run. Results from different vials are not consistant.
(e) Suspected laboratory contaminant.
(f) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041071.D	1	04/25/08	MM	04/23/08 14:05	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.32 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	**Date Sampled:**	04/21/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21798.D	1	04/30/08	NY	04/24/08	OP24862	GLL807
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	25.7	9.0	5.4	mg/kg	
	TPH (>C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB36 (2-4')		
Lab Sample ID:	F57063-4	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049133.D	1	05/01/08	SH	04/23/08 14:05	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.68 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	33.9	61	31	ug/kg	J
71-43-2	Benzene	ND	6.1	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.1	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	1.2	ug/kg	
75-25-2	Bromoform	ND	6.1	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.2	ug/kg	
67-66-3	Chloroform	ND	6.1	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.1	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.1	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.1	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.1	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.1	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.1	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	1.2	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB36 (2-4')		
Lab Sample ID:	F57063-4	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	1.2	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride [a]	10.2	12	6.1	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.1	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.1	2.4	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	1.3	ug/kg	
100-42-5	Styrene	ND	6.1	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	3.1	6.1	1.3	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	1.2	ug/kg	
108-88-3	Toluene	2.0	6.1	1.2	ug/kg	J
79-01-6	Trichloroethylene	ND	6.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	31	6.1	ug/kg	
1330-20-7	Xylene (total)	ND	18	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	83%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB36 (2-4')		
Lab Sample ID:	F57063-4	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041043.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.60 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.9	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB36 (2-4')		
Lab Sample ID:	F57063-4	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21781.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	29.8	9.5	5.7	mg/kg	
	TPH (>C28-C40)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB25 (2-4')		
Lab Sample ID:	F57063-5	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049134.D	1	05/01/08	SH	04/23/08 14:05	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.15 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	91.9	68	34	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.8	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.4	ug/kg	
75-25-2	Bromoform	ND	6.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.8	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.8	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.8	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	3.5	ug/kg	
67-66-3	Chloroform	ND	6.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.8	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.8	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.8	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.8	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.8	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.8	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.8	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB25 (2-4')		
Lab Sample ID:	F57063-5	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride [a]	6.9	14	6.8	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	6.8	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.8	1.5	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.8	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.8	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	1.8	6.8	1.5	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.4	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	6.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	34	6.8	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	86%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB25 (2-4')		
Lab Sample ID:	F57063-5	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041044.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.13 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB25 (2-4')		
Lab Sample ID:	F57063-5	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21782.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	56.1	47	28	mg/kg	
	TPH (>C28-C40)	64.0	47	28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB26 (2-4')		
Lab Sample ID:	F57063-6	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049135.D	1	05/01/08	SH	04/23/08 14:05	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.37 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	32.6	64	32	ug/kg	J
71-43-2	Benzene	ND	6.4	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.3	ug/kg	
75-25-2	Bromoform	ND	6.4	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.3	ug/kg	
67-66-3	Chloroform	ND	6.4	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.4	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB26 (2-4')		
Lab Sample ID:	F57063-6	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride [a]	22.3	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.4	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	1.4	ug/kg	
100-42-5	Styrene	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	2.5	6.4	1.4	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.3	ug/kg	
108-88-3	Toluene	ND	6.4	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.4	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	86%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB26 (2-4')		
Lab Sample ID:	F57063-6	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041045.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.22 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB26 (2-4')		
Lab Sample ID:	F57063-6	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21785.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.2	5.5	mg/kg	
	TPH (> C28-C40)	ND	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB23 (2-4')		
Lab Sample ID:	F57063-7	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049136.D	1	05/01/08	SH	04/23/08 14:05	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.62 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	63.0	62	31	ug/kg	
71-43-2	Benzene	ND	6.2	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.2	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	1.2	ug/kg	
75-25-2	Bromoform	ND	6.2	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.2	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.2	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.2	ug/kg	
67-66-3	Chloroform	ND	6.2	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.2	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.2	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.2	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.2	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.2	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.2	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.2	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.2	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.2	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.2	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	1.2	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB23 (2-4')		
Lab Sample ID:	F57063-7	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.2	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride [a]	34.9	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.2	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.2	1.4	ug/kg	
100-42-5	Styrene	ND	6.2	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	1.7	6.2	1.4	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	1.2	ug/kg	
108-88-3	Toluene	ND	6.2	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.2	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	31	6.2	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	90%		59-148%
17060-07-0	1,2-Dichloroethane-D4	83%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB23 (2-4')		
Lab Sample ID:	F57063-7	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041048.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.55 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB23 (2-4')		
Lab Sample ID:	F57063-7	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21786.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.6	5.7	mg/kg	
	TPH (> C28-C40)	ND	9.6	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB24 (2-4')		
Lab Sample ID:	F57063-8	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027907.D	1	05/02/08	AB	04/23/08 14:05	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.48 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	32	ug/kg	
71-43-2	Benzene	ND	6.4	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.3	ug/kg	
75-25-2	Bromoform	ND	6.4	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.3	ug/kg	
67-66-3	Chloroform	ND	6.4	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.4	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB24 (2-4')		
Lab Sample ID:	F57063-8	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride [a]	11.8	13	6.4	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.3	ug/kg	
91-20-3	Naphthalene	3.3	6.4	2.6	ug/kg	J
103-65-1	n-Propylbenzene	ND	6.4	1.4	ug/kg	
100-42-5	Styrene	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.3	ug/kg	
108-88-3	Toluene	2.1	6.4	1.3	ug/kg	J
79-01-6	Trichloroethylene	ND	6.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.4	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	106%		71-130%
460-00-4	4-Bromofluorobenzene	115%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB24 (2-4')		
Lab Sample ID:	F57063-8	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041049.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.47 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB24 (2-4')		
Lab Sample ID:	F57063-8	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21787.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	15.6	9.6	5.7	mg/kg	
	TPH (> C28-C40)	38.5	9.6	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB35 (2-4')		
Lab Sample ID:	F57063-9	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027908.D	1	05/02/08	AB	04/23/08 14:05	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.59 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	33	ug/kg	
71-43-2	Benzene	ND	6.6	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.6	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.6	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	1.3	ug/kg	
75-25-2	Bromoform	ND	6.6	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.6	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.6	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.6	3.4	ug/kg	
67-66-3	Chloroform	ND	6.6	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.6	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.6	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.6	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.6	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.6	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.6	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.6	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.6	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.6	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.6	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB35 (2-4')		
Lab Sample ID:	F57063-9	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.6	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride [a]	17.6	13	6.6	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.6	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.6	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.6	1.4	ug/kg	
100-42-5	Styrene	ND	6.6	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.6	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.6	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.6	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	1.3	ug/kg	
108-88-3	Toluene	ND	6.6	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB35 (2-4')		
Lab Sample ID:	F57063-9	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041050.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.38 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.9	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB35 (2-4')		
Lab Sample ID:	F57063-9	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21788.D	1	04/29/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.0	mg/kg	
	TPH (>C28-C40)	7.28	10	6.0	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB22 (2-4')		
Lab Sample ID:	F57063-10	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027909.D	1	05/02/08	AB	04/23/08 14:05	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.49 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	44.6	65	33	ug/kg	J
71-43-2	Benzene	ND	6.5	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.5	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	1.3	ug/kg	
75-25-2	Bromoform	ND	6.5	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.5	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.5	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.5	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.4	ug/kg	
67-66-3	Chloroform	ND	6.5	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.5	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.5	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.5	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.5	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.5	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.5	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.5	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.5	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.5	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.5	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB22 (2-4')		
Lab Sample ID:	F57063-10	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.5	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride [a]	10.5	13	6.5	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.5	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.5	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.5	1.4	ug/kg	
100-42-5	Styrene	ND	6.5	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.5	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.5	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.5	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	1.3	ug/kg	
108-88-3	Toluene	ND	6.5	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.5	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	109%		71-130%
460-00-4	4-Bromofluorobenzene	123%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) Suspected laboratory contaminant.

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FC100-SB22 (2-4')		
Lab Sample ID:	F57063-10	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041051.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.46 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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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:	FC100-SB22 (2-4')		
Lab Sample ID:	F57063-10	**Date Sampled:**	04/22/08
Matrix:	SO - Soil	**Date Received:**	04/23/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21789.D	1	04/29/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	11.1	9.8	5.9	mg/kg	
	TPH (>C28-C40)	60.2	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		49-108%

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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:	FC100-TMW26		
Lab Sample ID:	F57063-11	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J038068.D	1	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	0.38	1.0	0.20	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW26		
Lab Sample ID:	F57063-11	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	0.69	2.0	0.44	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.43	1.0	0.28	ug/l	JB
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.33	1.0	0.22	ug/l	J
95-63-6	1,2,4-Trimethylbenzene	1.0	2.0	0.20	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.69	2.0	0.20	ug/l	J
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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	0.88	3.0	0.56	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	95%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	111%		84-120%

(a) Sample was treated with an anti-foaming agent.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW26		
Lab Sample ID:	F57063-11	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001823.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
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E = Indicates 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:	FC100-TMW26		
Lab Sample ID:	F57063-11	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	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	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		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	63%		42-108%
321-60-8	2-Fluorobiphenyl	61%		40-106%
1718-51-0	Terphenyl-d14	65%		39-121%

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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:	FC100-TMW24		
Lab Sample ID:	F57063-12	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J038069.D	1	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW24		
Lab Sample ID:	F57063-12	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	95%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	111%		84-120%

(a) Sample was treated with an anti-foaming agent.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW24		
Lab Sample ID:	F57063-12	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001824.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.97	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.97	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.97	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	ND	4.9	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.97	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	1.9	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.97	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW24		
Lab Sample ID:	F57063-12	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.97	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.97	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	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	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.97	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	0.97	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	16%		10-40%
118-79-6	2,4,6-Tribromophenol	64%		33-118%
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	53%		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

Report of Analysis

Client Sample ID:	FC100-TMW23		
Lab Sample ID:	F57063-13	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J038070.D	1	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	0.40	1.0	0.33	ug/l	J
135-98-8	sec-Butylbenzene	0.52	1.0	0.23	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW23		
Lab Sample ID:	F57063-13	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	0.42	1.0	0.21	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	7.5	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	0.48	1.0	0.20	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.29	1.0	0.28	ug/l	JB
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.68	2.0	0.20	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	1.6	3.0	0.56	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	96%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Sample was treated with an anti-foaming agent.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW23		
Lab Sample ID:	F57063-13	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001825.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	0.96	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.96	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.96	ug/l	
	3&4-Methylphenol	ND	4.8	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.96	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	1.9	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	1.2	ug/l	

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

Report of Analysis

Client Sample ID:	FC100-TMW23		
Lab Sample ID:	F57063-13	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	1.4	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	1.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	1.4	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.4	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	5.6	4.8	0.96	ug/l	
91-20-3	Naphthalene	2.3	4.8	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		14-62%
4165-62-2	Phenol-d5	16%		10-40%
118-79-6	2,4,6-Tribromophenol	60%		33-118%
4165-60-0	Nitrobenzene-d5	58%		42-108%
321-60-8	2-Fluorobiphenyl	57%		40-106%
1718-51-0	Terphenyl-d14	51%		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

Report of Analysis

Client Sample ID:	FC100-TMW31		
Lab Sample ID:	F57063-14	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J038080.D	200	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5000	2000	ug/l	
71-43-2	Benzene	241	200	40	ug/l	
108-86-1	Bromobenzene	ND	200	42	ug/l	
74-97-5	Bromochloromethane	ND	200	56	ug/l	
75-27-4	Bromodichloromethane	ND	200	58	ug/l	
75-25-2	Bromoform	ND	200	56	ug/l	
104-51-8	n-Butylbenzene	ND	200	66	ug/l	
135-98-8	sec-Butylbenzene	ND	200	46	ug/l	
98-06-6	tert-Butylbenzene	ND	200	66	ug/l	
108-90-7	Chlorobenzene	ND	200	40	ug/l	
75-00-3	Chloroethane	ND	400	92	ug/l	
67-66-3	Chloroform	ND	200	42	ug/l	
95-49-8	o-Chlorotoluene	ND	200	64	ug/l	
106-43-4	p-Chlorotoluene	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	200	58	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	46	ug/l	
563-58-6	1,1-Dichloropropene	ND	200	44	ug/l	
106-93-4	1,2-Dibromoethane	ND	200	40	ug/l	
107-06-2	1,2-Dichloroethane	ND	200	40	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	50	ug/l	
142-28-9	1,3-Dichloropropane	ND	200	40	ug/l	
108-20-3	Di-Isopropyl ether	ND	200	40	ug/l	
594-20-7	2,2-Dichloropropane	ND	200	60	ug/l	
124-48-1	Dibromochloromethane	ND	200	40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	400	200	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	200	56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	48	ug/l	
541-73-1	m-Dichlorobenzene	ND	200	46	ug/l	
95-50-1	o-Dichlorobenzene	ND	200	40	ug/l	
106-46-7	p-Dichlorobenzene	ND	200	44	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	40	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW31		
Lab Sample ID:	F57063-14	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	200	42	ug/l	
100-41-4	Ethylbenzene	2220	200	40	ug/l	
591-78-6	2-Hexanone	ND	2000	570	ug/l	
98-82-8	Isopropylbenzene	46.5	200	42	ug/l	J
99-87-6	p-Isopropyltoluene	ND	200	44	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	440	ug/l	
74-83-9	Methyl bromide	ND	400	110	ug/l	
74-87-3	Methyl chloride	ND	400	76	ug/l	
75-09-2	Methylene chloride [a]	253	1000	200	ug/l	J
78-93-3	Methyl ethyl ketone	ND	1000	400	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	200	50	ug/l	
91-20-3	Naphthalene	ND	400	88	ug/l	
103-65-1	n-Propylbenzene	226	200	40	ug/l	
100-42-5	Styrene	ND	200	40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	60	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	200	56	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	400	100	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	200	44	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1790	400	40	ug/l	
108-67-8	1,3,5-Trimethylbenzene	625	400	40	ug/l	
127-18-4	Tetrachloroethylene	ND	200	50	ug/l	
108-88-3	Toluene	14600	200	54	ug/l	
79-01-6	Trichloroethylene	ND	200	76	ug/l	
75-69-4	Trichlorofluoromethane	ND	400	86	ug/l	
75-01-4	Vinyl chloride	ND	200	68	ug/l	
108-05-4	Vinyl Acetate	ND	2000	400	ug/l	
1330-20-7	Xylene (total)	12100	600	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-TMW31		
Lab Sample ID:	F57063-14	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001826.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	19.3	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	8.9	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW31		
Lab Sample ID:	F57063-14	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	36.2	4.9	0.98	ug/l	
91-20-3	Naphthalene	118	4.9	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	24%		10-40%
118-79-6	2,4,6-Tribromophenol	81%		33-118%
4165-60-0	Nitrobenzene-d5	63%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	63%		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

Report of Analysis

Client Sample ID:	FC100-TMW19		
Lab Sample ID:	F57063-15	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J038065.D	20	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	200	ug/l	
71-43-2	Benzene	56.5	20	4.0	ug/l	
108-86-1	Bromobenzene	ND	20	4.2	ug/l	
74-97-5	Bromochloromethane	ND	20	5.6	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.8	ug/l	
75-25-2	Bromoform	ND	20	5.6	ug/l	
104-51-8	n-Butylbenzene	ND	20	6.6	ug/l	
135-98-8	sec-Butylbenzene	ND	20	4.6	ug/l	
98-06-6	tert-Butylbenzene	ND	20	6.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.0	ug/l	
75-00-3	Chloroethane	ND	40	9.2	ug/l	
67-66-3	Chloroform	ND	20	4.2	ug/l	
95-49-8	o-Chlorotoluene	ND	20	6.4	ug/l	
106-43-4	p-Chlorotoluene	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	4.6	ug/l	
563-58-6	1,1-Dichloropropene	ND	20	4.4	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	4.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	4.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	20	4.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	20	4.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	20	6.0	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	5.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.8	ug/l	
541-73-1	m-Dichlorobenzene	ND	20	4.6	ug/l	
95-50-1	o-Dichlorobenzene	ND	20	4.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	20	4.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	4.0	ug/l	

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

Report of Analysis

Client Sample ID:	FC100-TMW19		
Lab Sample ID:	F57063-15	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	337	20	4.0	ug/l	
591-78-6	2-Hexanone	ND	200	57	ug/l	
98-82-8	Isopropylbenzene	ND	20	4.2	ug/l	
99-87-6	p-Isopropyltoluene	ND	20	4.4	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	44	ug/l	
74-83-9	Methyl bromide	ND	40	11	ug/l	
74-87-3	Methyl chloride	ND	40	7.6	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	5.0	ug/l	
91-20-3	Naphthalene	24.7	40	8.8	ug/l	J
103-65-1	n-Propylbenzene	14.9	20	4.0	ug/l	J
100-42-5	Styrene	ND	20	4.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	7.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	6.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	5.6	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	40	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	4.4	ug/l	
95-63-6	1,2,4-Trimethylbenzene	249	40	4.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	67.6	40	4.0	ug/l	
127-18-4	Tetrachloroethylene	ND	20	5.0	ug/l	
108-88-3	Toluene	1040	20	5.4	ug/l	
79-01-6	Trichloroethylene	ND	20	7.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.6	ug/l	
75-01-4	Vinyl chloride	ND	20	6.8	ug/l	
108-05-4	Vinyl Acetate	ND	200	40	ug/l	
1330-20-7	Xylene (total)	1480	60	11	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	95%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

Report of Analysis

Client Sample ID:	FC100-TMW19		
Lab Sample ID:	F57063-15	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001827.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	0.96	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.96	ug/l	
105-67-9	2,4-Dimethylphenol	42.5	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	1.9	ug/l	
95-48-7	2-Methylphenol	16.4	4.8	0.96	ug/l	
	3&4-Methylphenol	9.5	4.8	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.96	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	1.9	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	1.2	ug/l	

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

Report of Analysis

Client Sample ID:	FC100-TMW19		
Lab Sample ID:	F57063-15	**Date Sampled:**	04/22/08
Matrix:	AQ - Ground Water	**Date Received:**	04/23/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	1.4	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	1.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	1.4	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.4	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	16.2	4.8	0.96	ug/l	
91-20-3	Naphthalene	99.3	4.8	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	25%		10-40%
118-79-6	2,4,6-Tribromophenol	78%		33-118%
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	64%		40-106%
1718-51-0	Terphenyl-d14	53%		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:

- Certification Exceptions
- Chain of Custody

25959

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL: 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F57063 PAGE 1 OF 2

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Catlin
Address: 220 Old Dairy Rd.
City: Wilmington State: NC Zip: 28405
Project Contact: Steve Hudson E-mail: shudson@catlinusa.com
Phone: 910.452.5861 Fax #:
Sampler(s) Name(s) (Printed): John Hoter & Teresa

Project Information

Project Name: FC100 GTO 012
Street:
City: Camp Lejeune State: NC
Project #: 208-016
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection		Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Vols Soil Encore	Multiple Analytes
1	FC100-SB27	(2-4')	4/21	820	JH	SO	4	3	1
2	FC100-SB19	(6-8')	4/21	1500	JH	SO	4	3	1
3	FC100-SB31	(6-8')	4/21	1430	JH	SO	4	3	1
4	FC100-SB36	(2-4')	4/22	0930	JH	SO	4	3	1
5	FC100-SB25	(2-4')	4/22	0910	JH	SO	4	3	1
6	FC100-SB26	(2-4')	4/22	0845	JH	SO	4	3	1
7	FC100-SB23	(2-4')	4/22	1030	JH	SO	4	3	1
8	FC100-SB24	(2-4')	4/22	1015	JH	SO	4	3	1
9	FC100-SB35	(2-4')	4/22	0945	JH	SO	4	3	1
10	FC100-SB22	(2-4')	4/22	1330	JH	SO	4	3	1

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [x] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time: 4/22/08 1610	Received By: 2 FEDEX	Relinquished by: 3 FEDEX	Date Time:	Received By: 4 Felipe Montanez 0930 4-23-08
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 2.2 2.8

4.1

4

F57063: Chain of Custody
Page 1 of 3

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL: 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F57063 PAGE 2 OF 2

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Catlin
Address: 220 Old Dairy Rd.
City: Wilmington State: NC Zip: 28405
Project Contact: Steve Hudson E-mail:
Phone#: 910-452-5861
Sampler(s) Name(s) (Print): Justin Hefer / Teresa

Project Information

Project Name: FC100 CTO 012
Street:
City: Camp Lejeune State: NC
Project #: 208-016
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	H2SO4	HNO3	NaOH	ZnAc	NaHSO4	Methanol	DI Water	Vol by Sw846 8260B	SVOC by Sw846 8270C	Matrix Codes / Lab Use Only
11	FC100-TMW26	4/22	1125	Teresa	GW	5		2	3								3	2	
12	FC100-TMW24	4/22	1200			5		2	3								3	2	
13	FC100-TMW23	4/22	1230			5		2	3								3	2	
14	FC100-TMW31	4/22	1322			35		2	3								3	2	
15	FC100-TMW19	4/22	1350			35		2	3								3	2	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] RED-T1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [x] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time: 4/22/08 1610	Received By: 2 FEDEX	Relinquished by: 3 FEDEX	Date Time:	Received By: 4 Felipe Maheneda 4-23-08 0910
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 2.2 2.8

4.1.4

F57063: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F57063 CLIENT: Catlin PROJECT:

DATE/TIME RECEIVED: 04-23-08 0930 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 2.2 2.8

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

AIRBILL NUMBERS: 860099392561

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

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

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 30

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: For samples 1 → 10 samples labels on Encores missing time, COC shows For#1 (1520), For#2 (1500), For#3 (1430), For#4 (0930), For#5 (0910), For#6 (0845), For#7 (1030), For#8 (1015), For#9 (0945), For#10 (1330).

TECHNICIAN SIGNATURE/DATE: F.M. 04.23.08 TECHNICIAN SIGNATURE/DATE: JC 4-23-08 ASBD 12/17/07

F57063: Chain of Custody
Page 3 of 3

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/22/08

Technical Report for

Osage of Virginia

FC 100/CTO 012; Camp Lejeune, NC

208-016

Accutest Job Number: F57101

Sampling Date: 04/23/08

Report to:

Osage of Virginia

mcree@osageva.com

ATTN: Mike Cree

Total number of pages in report: 44

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

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Sample Summary

Osage of Virginia

Job No: F57101

FC 100/CTO 012; Camp Lejeune, NC
Project No: 208-016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F57101-1	04/23/08	14:00	JH	04/24/08	SO	Soil	FC100-SB07 (4-6')
F57101-2	04/23/08	13:40	JH	04/24/08	SO	Soil	FC100-SB08 (4-6')
F57101-3	04/23/08	13:05	JH	04/24/08	SO	Soil	FC100-SB09 (2-4')
F57101-4	04/23/08	11:45	JH	04/24/08	SO	Soil	FC100-SB10 (2-4')
F57101-5	04/23/08	11:10	JH	04/24/08	SO	Soil	FC100-SB12 (2-4')
F57101-6	04/23/08	10:50	JH	04/24/08	SO	Soil	FC100-SB13 (2-4')
F57101-7	04/23/08	10:10	JH	04/24/08	SO	Soil	FC100-SB16 (6-8')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Osage of Virginia	Job No:	F57101
Site:	FC 100/CTO 012; Camp Lejeune, NC	Report Date:	5/14/2008 2:10:23 PM

7 Samples were collected on 04/23/2008 and were received at Accutest on 04/24/2008 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of F57101. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS by Method SW846 8260B

Matrix: SO Batch ID: VF642

All samples were analyzed within the recommended method holding time.

Samples F57063-8MS, F57063-8MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Samples F57101-2, F57101-3, F57101-4, F57101-5 have compounds reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Matrix Spike Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, Naphthalene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, m-Dichlorobenzene, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

RPDs for MSD for 1,2,4-Trimethylbenzene, n-Butylbenzene, p-Isopropyltoluene, sec-Butylbenzene are outside control limits for sample F57063-8MSD. Probable cause due to sample non-homogeneity.

F57101-2, F57101-3, F57101-4, F57101-5 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO Batch ID: VF644

All samples were analyzed within the recommended method holding time.

Samples F57252-14MS, F57252-14MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample F57101-1 has compounds reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Matrix Spike Recoverys for 1,2,3-Trichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Trichlorofluoromethane, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recovery for 1,2,3-Trichloropropane is outside control limits. Probable cause: due to matrix interference.

F57101-1 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO Batch ID: VG1902

All samples were analyzed within the recommended method holding time.

Samples F57131-5MS, F57131-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Samples F57101-6, F57101-7 have compounds reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Matrix Spike Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Bromobenzene, Methyl ethyl ketone, Methylene chloride, n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Chlorotoluene, tert-Butylbenzene, Toluene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, Bromobenzene, Bromoform, Chloroethane, Methylene chloride, n-Butylbenzene, Naphthalene, o-Chlorotoluene, trans-1,3-Dichloropropene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

RPD for MSD for Methyl chloride is outside control limits for sample F57131-5MSD. Probable cause due to sample non-homogeneity.

F57101-6, F57101-7 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC by Method SW846 8015

Matrix: SO Batch ID: GQR1760

All samples were analyzed within the recommended method holding time.

Samples F57101-7MS, F57101-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC by Method SW846 8015 M

Matrix: SO Batch ID: OP24901

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57101-1MS, F57101-1MSD were used as the QC samples indicated.

Matrix: SO Batch ID: OP24919

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F57136-2MS, F57136-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Metals by Method SW846 6010B

Matrix: SO Batch ID: MP14274

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57101-1DUP, F57101-1MS, F57101-1MSD, F57101-1SDL were used as the QC samples for metals.

Matrix Spike Recoverys for Antimony, Potassium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recovery for Antimony is outside control limits. Probable cause: due to matrix interference.

RPDs for Duplicate for Arsenic, Zinc are outside control limits for sample MP14274-D1. RPD acceptable due to low duplicate and sample concentrations.

RPDs for Serial Dilution for Cobalt, Copper, Nickel, Potassium, Sodium, Zinc are outside control limits for sample MP14274-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

F57101-1, F57101-3, F57101-4, F57101-5, F57101-6, F57101-7 for Thallium: Elevated reporting limits due to matrix interference.

Metals by Method SW846 7471A

Matrix: SO Batch ID: MP14275

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57108-1DUP, F57108-1MS, F57108-1MSD, F57108-1SDL were used as the QC samples for metals.

Wet Chemistry by Method SM19 2540B M

Matrix: SO Batch ID: GN30104

Sample F57101-1DUP was used as the QC sample for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: May 14, 2008

Ellen Pampel, Inorganic QA (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027967.D	1	05/06/08	AB	04/24/08 12:25	n/a	VF644
Run #2							

	Initial Weight
Run #1	4.01 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	67	33	ug/kg	
71-43-2	Benzene	ND	6.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.7	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.7	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	1.3	ug/kg	
75-25-2	Bromoform	ND	6.7	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.7	3.5	ug/kg	
67-66-3	Chloroform	ND	6.7	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.7	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.7	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.7	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.7	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.7	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.7	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.7	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.7	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.7	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.7	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
75-09-2	Methylene chloride [a]	38.2	13	6.7	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.7	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	1.5	ug/kg	
100-42-5	Styrene	ND	6.7	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.7	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.7	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	1.3	ug/kg	
108-88-3	Toluene	ND	6.7	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.7	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.7	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	103%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041060.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.03 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21805.D	1	05/01/08	NY	04/28/08	OP24901	GLL808
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.9	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.9	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
		Percent Solids:	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1360	10	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.1	3.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.41	0.41	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.25	0.25	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.20	0.20	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 250	250	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.3	0.51	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.5	2.5	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	400	5.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.1	5.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 250	250	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.2	0.76	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.086	0.086	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.0	2.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 510	510	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.1	5.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 510	510	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.0	1.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.5	2.5	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.2	1.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027916.D	1	05/02/08	AB	04/24/08 12:25	n/a	VF642
Run #2							

	Initial Weight
Run #1	3.73 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	73	37	ug/kg	
71-43-2	Benzene	ND	7.3	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.3	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.3	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.3	1.5	ug/kg	
75-25-2	Bromoform	ND	7.3	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.3	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.3	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.3	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.3	3.8	ug/kg	
67-66-3	Chloroform	ND	7.3	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.3	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.3	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.3	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.3	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.3	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.3	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.3	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.3	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.3	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.3	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.3	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.3	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.3	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.3	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.3	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.3	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.3	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.3	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.3	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.3	1.5	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.3	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.3	1.5	ug/kg	
591-78-6	2-Hexanone	ND	37	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.3	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.3	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	37	15	ug/kg	
74-83-9	Methyl bromide	ND	7.3	2.6	ug/kg	
74-87-3	Methyl chloride	ND	7.3	2.9	ug/kg	
75-09-2	Methylene chloride [a]	38.3	15	7.3	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	37	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.3	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.3	2.9	ug/kg	
103-65-1	n-Propylbenzene	ND	7.3	1.6	ug/kg	
100-42-5	Styrene	ND	7.3	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.3	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.3	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	2.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.3	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.3	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.3	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.3	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.3	1.5	ug/kg	
108-88-3	Toluene	ND	7.3	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.3	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	7.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	37	7.3	ug/kg	
1330-20-7	Xylene (total)	ND	22	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	118%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041061.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.04 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21808.D	1	05/01/08	NY	04/28/08	OP24901	GLL808
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.9	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.9	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
		Percent Solids:	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1450	10	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.1	3.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.42	0.42	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.26	0.26	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 260	260	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.7	0.52	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.6	2.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	568	5.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.2	5.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 260	260	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.6	0.78	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.091	0.091	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 520	520	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.2	5.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.52	0.52	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 520	520	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 0.52	0.52	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.6	2.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.1	1.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027917.D	1	05/02/08	AB	04/24/08 12:25	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.33 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	67	33	ug/kg	
71-43-2	Benzene	ND	6.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.7	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.7	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	1.3	ug/kg	
75-25-2	Bromoform	ND	6.7	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.7	3.5	ug/kg	
67-66-3	Chloroform	ND	6.7	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.7	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.7	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.7	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.7	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.7	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.7	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.7	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.7	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.7	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.7	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
75-09-2	Methylene chloride [a]	26.1	13	6.7	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.7	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	1.5	ug/kg	
100-42-5	Styrene	ND	6.7	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.7	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.7	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	1.3	ug/kg	
108-88-3	Toluene	ND	6.7	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.7	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.7	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	106%		59-148%
17060-07-0	1,2-Dichloroethane-D4	119%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041062.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.42 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21847.D	1	05/02/08	NY	04/28/08	OP24901	GLL809
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.6	5.8	mg/kg	
	TPH (>C28-C40)	5.89	9.6	5.8	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
		Percent Solids:	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1570	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.3	3.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.45	0.45	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.28	0.28	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.22	0.22	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	394	280	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.6	0.56	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.8	2.8	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.4	1.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	560	5.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.6	5.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 280	280	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.2	0.84	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.091	0.091	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.2	2.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 560	560	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.6	5.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 560	560	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.8	2.8	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.3	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027918.D	1	05/02/08	AB	04/24/08 12:25	n/a	VF642
Run #2							

	Initial Weight
Run #1	5.25 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	29	ug/kg	
71-43-2	Benzene	ND	5.9	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.2	ug/kg	
75-25-2	Bromoform	ND	5.9	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.1	ug/kg	
67-66-3	Chloroform	ND	5.9	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.9	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
75-09-2	Methylene chloride [a]	19.9	12	5.9	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.2	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.3	ug/kg	
100-42-5	Styrene	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.2	ug/kg	
108-88-3	Toluene	1.8	5.9	1.2	ug/kg	J
79-01-6	Trichloroethylene	ND	5.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	1.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	29	5.9	ug/kg	
1330-20-7	Xylene (total)	ND	18	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	119%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041063.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.31 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21848.D	1	05/02/08	NY	04/28/08	OP24901	GLL809
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.1	mg/kg	
	TPH (> C28-C40)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
		Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11700	12	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.5	3.5	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.65	0.47	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	20.6	12	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.29	0.29	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.24	0.24	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	647	290	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	10.9	0.59	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.9	2.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.5	1.5	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	3050	5.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.9	5.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	345	290	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	5.2	0.88	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.095	0.095	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	2.4	2.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 590	590	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.9	5.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.59	0.59	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 590	590	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.2	1.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	14.6	2.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	4.9	1.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027919.D	1	05/02/08	AB	04/24/08 12:25	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.50 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	32	ug/kg	
71-43-2	Benzene	ND	6.3	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.3	ug/kg	
75-25-2	Bromoform	ND	6.3	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	3.3	ug/kg	
67-66-3	Chloroform	ND	6.3	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.3	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
75-09-2	Methylene chloride [a]	26.6	13	6.3	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.4	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.3	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.3	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	122%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041064.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.52 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21813.D	1	05/01/08	NY	04/28/08	OP24901	GLL808
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.5	5.7	mg/kg	
	TPH (>C28-C40)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
		Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1600	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.4	3.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.46	0.46	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.29	0.29	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.23	0.23	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	350	290	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.7	0.57	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.9	2.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.4	1.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	441	5.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.7	5.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 290	290	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.6	0.86	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.095	0.095	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.3	2.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 570	570	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.7	5.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.57	0.57	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 570	570	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.9	2.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	2.1	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0050188.D	1	05/06/08	SH	04/24/08 12:25	n/a	VG1902
Run #2							

	Initial Weight
Run #1	4.19 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	33	ug/kg	
71-43-2	Benzene	ND	6.6	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.6	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.6	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	1.3	ug/kg	
75-25-2	Bromoform	ND	6.6	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.6	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.6	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.6	3.4	ug/kg	
67-66-3	Chloroform	ND	6.6	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.6	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.6	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.6	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.6	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.6	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.6	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.6	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.6	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.6	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.6	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.6	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride [a]	16.2	13	6.6	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.6	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.6	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.6	1.5	ug/kg	
100-42-5	Styrene	ND	6.6	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.6	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.6	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.6	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	1.3	ug/kg	
108-88-3	Toluene	ND	6.6	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041065.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21913.D	1	05/07/08	NY	04/29/08	OP24919	GLL812
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	7.74	9.2	5.5	mg/kg	J
	TPH (>C28-C40)	19.8	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
		Percent Solids:	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1050	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.2	3.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.43	0.43	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.27	0.27	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	11300	270	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.3	0.54	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.7	2.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	1.6	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	464	5.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.4	5.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 270	270	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.9	0.81	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.091	0.091	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 540	540	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.4	5.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 540	540	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.7	2.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	8.7	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0050189.D	1	05/06/08	SH	04/24/08 12:25	n/a	VG1902
Run #2							

	Initial Weight
Run #1	3.99 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	84	42	ug/kg	
71-43-2	Benzene	ND	8.4	1.7	ug/kg	
108-86-1	Bromobenzene	ND	8.4	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	8.4	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	8.4	1.7	ug/kg	
75-25-2	Bromoform	ND	8.4	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	8.4	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	8.4	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	8.4	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	8.4	1.7	ug/kg	
75-00-3	Chloroethane	ND	8.4	4.4	ug/kg	
67-66-3	Chloroform	ND	8.4	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	8.4	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	8.4	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	8.4	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.4	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	8.4	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	8.4	1.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	8.4	1.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8.4	1.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.4	2.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	8.4	1.7	ug/kg	
108-20-3	Di-Isopropyl ether	ND	8.4	1.7	ug/kg	
594-20-7	2,2-Dichloropropane	ND	8.4	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	8.4	1.7	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	8.4	3.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	8.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.4	1.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	8.4	1.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	8.4	1.7	ug/kg	
106-46-7	p-Dichlorobenzene	ND	8.4	1.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	8.4	1.7	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	8.4	1.7	ug/kg	
100-41-4	Ethylbenzene	ND	8.4	1.7	ug/kg	
591-78-6	2-Hexanone	ND	42	17	ug/kg	
98-82-8	Isopropylbenzene	ND	8.4	1.7	ug/kg	
99-87-6	p-Isopropyltoluene	ND	8.4	1.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	42	17	ug/kg	
74-83-9	Methyl bromide	ND	8.4	3.0	ug/kg	
74-87-3	Methyl chloride	ND	8.4	3.4	ug/kg	
75-09-2	Methylene chloride [a]	15.9	17	8.4	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	42	17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8.4	1.7	ug/kg	
91-20-3	Naphthalene	ND	8.4	3.4	ug/kg	
103-65-1	n-Propylbenzene	ND	8.4	1.9	ug/kg	
100-42-5	Styrene	ND	8.4	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.4	1.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.4	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.4	1.7	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	8.4	3.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	8.4	3.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8.4	1.9	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	8.4	1.9	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	8.4	1.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	8.4	1.7	ug/kg	
108-88-3	Toluene	ND	8.4	1.7	ug/kg	
79-01-6	Trichloroethylene	ND	8.4	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.4	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	8.4	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	42	8.4	ug/kg	
1330-20-7	Xylene (total)	ND	25	3.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041066.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.82 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21887.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	11	6.5	mg/kg	
	TPH (> C28-C40)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	**Date Sampled:**	04/23/08
Matrix:	SO - Soil	**Date Received:**	04/24/08
		Percent Solids:	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3070	13	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 4.0	4.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.54	0.54	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 13	13	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.34	0.34	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.27	0.27	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 340	340	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	3.8	0.67	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 3.4	3.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.7	1.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	1330	6.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 6.7	6.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 340	340	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	23.9	1.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.11	0.11	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.7	2.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 670	670	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 6.7	6.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.67	0.67	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 670	670	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.3	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	5.7	3.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	3.1	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F57101 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Catlin
Address: 220 Old Dairy Rd.
City: Wilmington State: NC Zip: 28405
Project Contact: Steve Hudson Email:
Phone: 910.452.5861
Sampler(s) Name(s) (Printed): Justin Hoke

Project Information

Project Name: FC 100 CTO 012
Street:
City: Camp Lejeune State: NC
Project #: 208-016
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of Bottles	Vols So.1 Encore	Multiple Analytes
1	FC100-SB07 (4-6')	4/23	1400	JH	SO	4	3	1
2	" -SB08 (4-6')	"	1340	"	"	"	"	"
3	" -SB09 (2-4')	"	1305	"	"	"	"	"
4	" -SB10 (2-4')	"	1145	"	"	"	"	"
5	" -SB12 (2-4')	"	1110	"	"	"	"	"
6	" -SB13 (2-4')	"	1050	"	"	"	"	"
7	" -SB16 (6-8')	"	1010	"	"	"	"	"

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [x] Edds

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	1535 4/23/08	2 FEDEX	3 FEDEX		4 Felipe Montenegro 0930 4.24.08
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 2 2

4.1
4

F57101: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F57101 CLIENT: Catlin PROJECT: FC100 c to 012

DATE/TIME RECEIVED: 04-24-08 0930 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.2

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

AIRBILL NUMBERS: 860091392583

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

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

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? 7

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Samples labels on Encores missing time for all samples, For sample #1 COC shows (1400), For #2 (1340), For #3 (1305), For #4 (1145), For #5 (1110), For #6 (1050), For #7 (1010).

TECHNICIAN SIGNATURE/DATE F.M. 04.24.08 TECHNICIAN SIGNATURE/DATE E.T. 4-24-08 ASBD 12/17/07

F57101: Chain of Custody
Page 2 of 2

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/22/08



Technical Report for

Osage of Virginia

FC 100/CTO 012; Camp Lejeune, NC

208-016

Accutest Job Number: F57136

Sampling Date: 04/24/08

Report to:

Osage of Virginia

mcree@osageva.com

ATTN: Mike Cree

Total number of pages in report: 53

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Sections: 1 2 3 4

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Sample Summary

Osage of Virginia

Job No: F57136

FC 100/CTO 012; Camp Lejeune, NC
Project No: 208-016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F57136-1	04/24/08	12:20	JH	04/25/08	SO	Soil	FC100-SB01 (2-4')
F57136-2	04/24/08	10:15	JH	04/25/08	SO	Soil	FC100-SB02 (2-4')
F57136-3	04/24/08	11:40	JH	04/25/08	SO	Soil	FC100-SB03 (2-4')
F57136-4	04/24/08	11:00	JH	04/25/08	SO	Soil	FC100-SB04 (4-6')
F57136-5	04/24/08	12:00	JH	04/25/08	SO	Soil	FC100-SB05 (2-4')
F57136-6	04/24/08	11:30	JH	04/25/08	SO	Soil	FC100-SB06 (2-4')
F57136-7	04/24/08	12:10	JH	04/25/08	SO	Soil	FC100-SB11 (2-4')
F57136-8	04/24/08	12:45	JH	04/25/08	AQ	Ground Water	FC100-SB08
F57136-9	04/24/08	13:00	JH	04/25/08	AQ	Ground Water	FC100-SB16

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Osage of Virginia Job No: F57136

Site: FC 100/CTO 012; Camp Lejeune, NC Report Date: 5/20/2008 3:31:46 PM

9 Samples were collected on 04/24/2008 and were received at Accutest on 04/25/2008 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F57136. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS by Method SW846 8260B

Matrix: AQ Batch ID: VB2227

All samples were analyzed within the recommended method holding time.

Samples F57164-15MS, F57164-15MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoverys for 1,2,3-Trichloropropane, Vinyl Acetate are outside control limits.

Matrix Spike Recovery for Vinyl Acetate is outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for Chlorobenzene, Chloroform, trans-1,2-Dichloroethylene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

F57136-8, F57136-9: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Matrix: SO Batch ID: VH1834

All samples were analyzed within the recommended method holding time.

Samples F57136-7MS, F57136-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoverys for 4-Methyl-2-pentanone, cis-1,3-Dichloropropene, n-Propylbenzene, o-Chlorotoluene, p-Isopropyltoluene are outside control limits.

Matrix Spike Recoverys for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,1-Dichloropropene, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Di-Isopropyl ether, Dibromochloromethane, Dichlorodifluoromethane, Ethylbenzene, Isopropylbenzene, m-Dichlorobenzene, Methyl bromide, Methyl chloride, Methyl Tert Butyl Ether, Methylene chloride, n-Butylbenzene, n-Propylbenzene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trichloroethylene, Trichlorofluoromethane, Vinyl chloride, Xylene (total) are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, cis-1,3-Dichloropropene, Isopropylbenzene, Methyl bromide, n-Propylbenzene, o-Chlorotoluene, p-Isopropyltoluene, sec-Butylbenzene, trans-1,2-Dichloroethylene, Trichlorofluoromethane, Vinyl chloride are outside control limits. Probable cause: due to matrix interference.

RPDs for MSD for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Di-Isopropyl ether, Dibromochloromethane, Dichlorodifluoromethane, Ethylbenzene, Isopropylbenzene, m-Dichlorobenzene, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methyl Tert Butyl Ether, Methylene chloride, n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trichloroethylene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride, Xylene (total) are outside control limits for sample F57136-7MSD. Probable cause due to sample non-homogeneity.

F57136-1, F57136-2, F57136-3, F57136-4, F57136-6, F57136-7 for Methylene chloride: Suspected laboratory contaminant.

Tuesday, May 20, 2008

Volatiles by GCMS by Method SW846 8260B

Matrix: SO Batch ID: VH1835

All samples were analyzed within the recommended method holding time.

Samples F57136-5MS, F57136-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample F57136-5 has compounds reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recoverys for 4-Methyl-2-pentanone, cis-1,3-Dichloropropene, n-Propylbenzene, o-Chlorotoluene, p-Isopropyltoluene, sec-Butylbenzene are outside control limits.

Matrix Spike Recoverys for 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, Methyl bromide, Methyl ethyl ketone, n-Propylbenzene, o-Chlorotoluene, Trichlorofluoromethane are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, Chloroethane, Methyl bromide, Methyl ethyl ketone, Methylene chloride, n-Propylbenzene, o-Chlorotoluene, Trichlorofluoromethane are outside control limits. Probable cause: due to matrix interference.

F57136-5 for Methylene chloride: Suspected laboratory contaminant.

Extractables by GCMS by Method SW846 8270C

Matrix: AQ Batch ID: OP24931

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F57164-22MS, F57164-22MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recoverys for 3,3'-Dichlorobenzidine, 4-Chloroaniline, Benzoic Acid, 3&4-Methylphenol, Phenol are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix Spike Duplicate Recoverys for 3&4-Methylphenol, 3,3'-Dichlorobenzidine, Benzoic Acid, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene are outside control limits. Probable cause: due to matrix interference.

RPD for MSD for 4-Chloroaniline is outside control limits for sample OP24931-MSD. Probable cause due to sample non-homogeneity.

Sample OP24931-MS has surrogates outside control limits. Probable cause: due to matrix interference.

Volatiles by GC by Method SW846 8015

Matrix: SO Batch ID: GQR1765

All samples were analyzed within the recommended method holding time.

Samples F57176-7MS, F57176-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample F57176-7MSD has surrogates outside control limits. Probable cause: due to matrix interference.

F57176-7MSD for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

Extractables by GC by Method SW846 8015 M

Matrix: SO Batch ID: OP24919

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57136-2MS, F57136-2MSD were used as the QC samples indicated.

Metals by Method SW846 6010B

Matrix: SO Batch ID: MP14293

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57131-2DUP, F57131-2MS, F57131-2MSD, F57131-2SDL were used as the QC samples for metals.

Matrix Spike Recoverys for Antimony, Barium, Cadmium, Nickel, Potassium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Metals by Method SW846 6010B

Matrix: SO Batch ID: MP14293

Matrix Spike Duplicate Recoverys for Antimony, Cadmium, Magnesium, Nickel, Potassium, Silver, Thallium are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Recoverys for Calcium, Chromium, Iron, Lead, Magnesium, Zinc are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

RPDs for Duplicate for Arsenic, Barium, Calcium, Chromium, Cobalt, Iron, Lead, Magnesium, Nickel, Antimony, Silver are outside control limits for sample MP14293-D1. High RPD due to possible sample nonhomogeneity.

MP14293-D1 for Antimony, Silver: RPD acceptable due to low duplicate and sample concentrations.

RPD for MSD for Iron is outside control limits for sample MP14293-S2. High RPD due to possible sample nonhomogeneity.

RPDs for Serial Dilution for Arsenic, Cadmium, Silver, Sodium, Barium, Calcium, Chromium, Cobalt, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Vanadium, Zinc are outside control limits for sample MP14293-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP14293-SD1 for Barium, Calcium, Chromium, Cobalt, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Vanadium, Zinc: Serial dilution indicates possible matrix interference.

F57136-1, F57136-2, F57136-3, F57136-4, F57136-5, F57136-6 for Thallium: Elevated reporting limits due to matrix interference.

Matrix: SO Batch ID: MP14294

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57136-7DUP, F57136-7MS, F57136-7MSD, F57136-7SDL were used as the QC samples for metals.

Matrix Spike Recovery for Antimony is outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Duplicate Recoverys for Aluminum, Antimony are outside control limits. Probable cause: due to matrix interference.

RPDs for Duplicate for Arsenic, Lead are outside control limits for sample MP14294-D1. RPD acceptable due to low duplicate and sample concentrations.

RPDs for Serial Dilution for Cobalt, Copper, Magnesium, Potassium, Sodium, Zinc are outside control limits for sample MP14294-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

F57136-7 for Thallium: Elevated reporting limits due to matrix interference.

Metals by Method SW846 7471A

Matrix: SO Batch ID: MP14286

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57133-7DUP, F57133-7MS, F57133-7SDL were used as the QC samples for metals.

RPD for Serial Dilution for Mercury is outside control limits for sample MP14286-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry by Method SM19 2540B M

Matrix: SO Batch ID: GN30132

Sample F57133-6DUP was used as the QC sample for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: May 20, 2008

Ellen Pampel, Inorganic QA (signature on file)

Tuesday, May 20, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049218.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	5.35 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	57	29	ug/kg	
71-43-2	Benzene	ND	5.7	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.1	ug/kg	
75-25-2	Bromoform	ND	5.7	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	3.0	ug/kg	
67-66-3	Chloroform	ND	5.7	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.1	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
591-78-6	2-Hexanone	ND	29	11	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	11	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
75-09-2	Methylene chloride [a]	8.5	11	5.7	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	29	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.3	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.1	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	1.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	29	5.7	ug/kg	
1330-20-7	Xylene (total)	ND	17	2.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041199.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.7	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21888.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.1	mg/kg	
	TPH (>C28-C40)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
		Percent Solids:	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10100	12	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.5	3.5	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	1.0	0.47	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	19.3	12	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.29	0.29	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.23	0.23	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	884	290	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	13.5	0.58	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.9	2.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.5	1.5	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	3660	5.8	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.8	5.8	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	332	290	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	4.3	0.87	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.10	0.10	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.3	2.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 580	580	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.8	5.8	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.58	0.58	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 580	580	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.2	1.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	17.6	2.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	3.9	1.2	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049219.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	3.84 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	68	34	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.8	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.4	ug/kg	
75-25-2	Bromoform	ND	6.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.8	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.8	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.8	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	3.5	ug/kg	
67-66-3	Chloroform	ND	6.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.8	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.8	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.8	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.8	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.8	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.8	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.8	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride [a]	9.3	14	6.8	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	6.8	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.8	1.5	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.8	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.8	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.8	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.4	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	6.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	34	6.8	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	121%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041200.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.96 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.9	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		56-136%
98-08-8	aaa-Trifluorotoluene	89%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21889.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.7	5.2	mg/kg	
	TPH (>C28-C40)	ND	8.7	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
		Percent Solids:	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	805	10	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.1	3.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	< 0.42	0.42	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 10	10	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.26	0.26	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.21	0.21	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	< 260	260	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	1.2	0.52	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.6	2.6	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.3	1.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	295	5.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.2	5.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 260	260	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	4.7	0.78	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.081	0.081	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 520	520	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.2	5.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.52	0.52	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 520	520	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 2.1	2.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	< 2.6	2.6	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	< 1.0	1.0	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049220.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	4.89 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	31	ug/kg	
71-43-2	Benzene	ND	6.1	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.1	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	1.2	ug/kg	
75-25-2	Bromoform	ND	6.1	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.2	ug/kg	
67-66-3	Chloroform	ND	6.1	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.1	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.1	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.1	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.1	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.1	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.1	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	1.2	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	1.2	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.5	ug/kg	
75-09-2	Methylene chloride [a]	11.6	12	6.1	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.1	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.1	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	1.4	ug/kg	
100-42-5	Styrene	ND	6.1	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	1.2	ug/kg	
108-88-3	Toluene	ND	6.1	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	31	6.1	ug/kg	
1330-20-7	Xylene (total)	ND	18	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	105%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041201.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.87 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.2	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		56-136%
98-08-8	aaa-Trifluorotoluene	88%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21894.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	6.13	10	6.0	mg/kg	J
	TPH (>C28-C40)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
		Percent Solids:	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7460	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.4	3.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	3.3	0.46	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 11	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.29	0.29	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.23	0.23	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	< 290	290	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	12.2	0.57	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.9	2.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	1.9	1.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	6320	5.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.7	5.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	351	290	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	5.8	0.86	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.094	0.094	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.3	2.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 570	570	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.7	5.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.57	0.57	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 570	570	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	16.8	2.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	4.5	1.1	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049221.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	4.46 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	31	ug/kg	
71-43-2	Benzene	ND	6.3	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.3	ug/kg	
75-25-2	Bromoform	ND	6.3	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	3.3	ug/kg	
67-66-3	Chloroform	ND	6.3	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.3	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
591-78-6	2-Hexanone	ND	31	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	13	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
75-09-2	Methylene chloride [a]	11.3	13	6.3	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	31	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.4	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.3	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	31	6.3	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	114%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041202.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.11 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21914.D	1	05/07/08	NY	04/29/08	OP24919	GLL812
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.2	5.5	mg/kg	
	TPH (>C28-C40)	5.65	9.2	5.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
		Percent Solids:	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2720	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.2	3.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	< 0.43	0.43	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 11	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.27	0.27	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.21	0.21	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	593	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	2.6	0.53	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.7	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.3	1.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	1180	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.3	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 270	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	5.4	0.80	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.093	0.093	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 530	530	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.3	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.53	0.53	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 530	530	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	3.6	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	2.0	1.1	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049253.D	1	05/08/08	SH	04/25/08 14:57	n/a	VH1835
Run #2							

	Initial Weight
Run #1	4.32 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	72	36	ug/kg	
71-43-2	Benzene	ND	7.2	1.4	ug/kg	
108-86-1	Bromobenzene	ND	7.2	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	7.2	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	7.2	1.4	ug/kg	
75-25-2	Bromoform	ND	7.2	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	7.2	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.2	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.2	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	7.2	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.2	3.7	ug/kg	
67-66-3	Chloroform	ND	7.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.2	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.2	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.2	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.2	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.2	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.2	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.2	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.2	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.2	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.2	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.2	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	7.2	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.2	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.2	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.2	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.2	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.2	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.2	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.2	1.4	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.2	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	7.2	1.4	ug/kg	
591-78-6	2-Hexanone	ND	36	14	ug/kg	
98-82-8	Isopropylbenzene	ND	7.2	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.2	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	36	14	ug/kg	
74-83-9	Methyl bromide	ND	7.2	2.6	ug/kg	
74-87-3	Methyl chloride	ND	7.2	2.9	ug/kg	
75-09-2	Methylene chloride [a]	31.8	14	7.2	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	36	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.2	1.4	ug/kg	
91-20-3	Naphthalene	ND	7.2	2.9	ug/kg	
103-65-1	n-Propylbenzene	ND	7.2	1.6	ug/kg	
100-42-5	Styrene	ND	7.2	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.2	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.2	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.2	2.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.2	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.2	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.2	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.2	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.2	1.4	ug/kg	
108-88-3	Toluene	ND	7.2	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	7.2	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.2	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	7.2	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	36	7.2	ug/kg	
1330-20-7	Xylene (total)	ND	21	3.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	121%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041203.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.48 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.1	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21896.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.0	mg/kg	
	TPH (> C28-C40)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
		Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3620	12	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.6	3.6	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	< 0.48	0.48	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 12	12	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.30	0.30	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.24	0.24	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	340	300	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	3.9	0.59	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 3.0	3.0	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.5	1.5	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	2000	5.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.9	5.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 300	300	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	6.5	0.89	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.098	0.098	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.4	2.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 590	590	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.9	5.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.59	0.59	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 590	590	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.2	1.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	5.2	3.0	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	2.0	1.2	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049230.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	3.96 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	69	34	ug/kg	
71-43-2	Benzene	ND	6.9	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.9	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.9	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.9	1.4	ug/kg	
75-25-2	Bromoform	ND	6.9	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.9	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.9	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.9	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.9	3.6	ug/kg	
67-66-3	Chloroform	ND	6.9	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.9	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.9	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.9	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.9	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.9	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.9	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.9	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.9	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.9	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.9	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.9	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.9	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.9	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.9	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.9	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.9	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.9	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.9	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.9	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.9	1.4	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.9	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.9	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
98-82-8	Isopropylbenzene	ND	6.9	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.9	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.9	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.9	2.8	ug/kg	
75-09-2	Methylene chloride [a]	19.7	14	6.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.9	1.4	ug/kg	
91-20-3	Naphthalene	ND	6.9	2.8	ug/kg	
103-65-1	n-Propylbenzene	ND	6.9	1.5	ug/kg	
100-42-5	Styrene	ND	6.9	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.9	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.9	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.9	2.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.9	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.9	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.9	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.9	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.9	1.4	ug/kg	
108-88-3	Toluene	ND	6.9	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	6.9	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.9	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.9	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	34	6.9	ug/kg	
1330-20-7	Xylene (total)	ND	21	2.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	119%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	92%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041204.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.20 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21915.D	1	05/07/08	NY	04/29/08	OP24919	GLL812
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	24.6	8.9	5.3	mg/kg	
	TPH (> C28-C40)	7.85	8.9	5.3	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
		Percent Solids:	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3760	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.2	3.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	0.76	0.42	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 11	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.27	0.27	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.21	0.21	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	1510	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	6.1	0.53	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.7	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.3	1.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	2490	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.3	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 270	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	3.0	0.80	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.090	0.090	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 530	530	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.3	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.53	0.53	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 530	530	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	8.6	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	2.0	1.1	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049224.D	1	05/07/08	SH	04/25/08 15:37	n/a	VH1834
Run #2							

	Initial Weight
Run #1	4.25 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	33	ug/kg	
71-43-2	Benzene	ND	6.6	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.6	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.6	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	1.3	ug/kg	
75-25-2	Bromoform	ND	6.6	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.6	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.6	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.6	3.4	ug/kg	
67-66-3	Chloroform	ND	6.6	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.6	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.6	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.6	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.6	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.6	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.6	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.6	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.6	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.6	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.6	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	

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

Report of Analysis

Client Sample ID:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.6	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride [a]	10.1	13	6.6	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.6	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.6	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.6	1.4	ug/kg	
100-42-5	Styrene	ND	6.6	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.6	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.6	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.6	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	1.3	ug/kg	
108-88-3	Toluene	1.8	6.6	1.3	ug/kg	J
79-01-6	Trichloroethylene	ND	6.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

Report of Analysis

Client Sample ID:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041205.D	1	04/30/08	MM	04/25/08 15:37	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.33 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

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

Report of Analysis

Client Sample ID:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21916.D	1	05/07/08	NY	04/29/08	OP24919	GLL812
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.2	5.5	mg/kg	
	TPH (>C28-C40)	8.41	9.2	5.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	**Date Sampled:**	04/24/08
Matrix:	SO - Soil	**Date Received:**	04/25/08
		Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2840	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.3	3.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	< 0.43	0.43	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 11	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.27	0.27	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.22	0.22	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	< 270	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	2.0	0.54	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.7	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.4	1.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	865	5.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.4	5.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 270	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	1.7	0.81	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.091	0.091	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.2	2.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 540	540	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.4	5.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.54	0.54	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 540	540	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	3.0	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	< 1.1	1.1	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14294

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FC100-SB08		
Lab Sample ID:	F57136-8	**Date Sampled:**	04/24/08
Matrix:	AQ - Ground Water	**Date Received:**	04/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B053113.D	1	05/08/08	KW	n/a	n/a	VB2227
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB08		
Lab Sample ID:	F57136-8	**Date Sampled:**	04/24/08
Matrix:	AQ - Ground Water	**Date Received:**	04/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	4.7	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.56	1.0	0.27	ug/l	J
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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	102%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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

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

Report of Analysis

Client Sample ID:	FC100-SB08		
Lab Sample ID:	F57136-8	**Date Sampled:**	04/24/08
Matrix:	AQ - Ground Water	**Date Received:**	04/25/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001854.D	1	05/01/08	NJ	04/30/08	OP24931	SX93
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.0	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB08		
Lab Sample ID:	F57136-8	**Date Sampled:**	04/24/08
Matrix:	AQ - Ground Water	**Date Received:**	04/25/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	1.3	5.0	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-62%
4165-62-2	Phenol-d5	21%		10-40%
118-79-6	2,4,6-Tribromophenol	71%		33-118%
4165-60-0	Nitrobenzene-d5	52%		42-108%
321-60-8	2-Fluorobiphenyl	52%		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

Report of Analysis

Client Sample ID:	FC100-SB16		
Lab Sample ID:	F57136-9	**Date Sampled:**	04/24/08
Matrix:	AQ - Ground Water	**Date Received:**	04/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B053114.D	1	05/08/08	KW	n/a	n/a	VB2227
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	35.9	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-SB16		
Lab Sample ID:	F57136-9	**Date Sampled:**	04/24/08
Matrix:	AQ - Ground Water	**Date Received:**	04/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	30.1	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	2.5	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	5.3	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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

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

Report of Analysis

Client Sample ID:	FC100-SB16		
Lab Sample ID:	F57136-9	**Date Sampled:**	04/24/08
Matrix:	AQ - Ground Water	**Date Received:**	04/25/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001855.D	1	05/01/08	NJ	04/30/08	OP24931	SX93
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	0.96	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.96	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.96	ug/l	
	3&4-Methylphenol	ND	4.8	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.96	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	1.9	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	1.2	ug/l	

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

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

Report of Analysis

Client Sample ID:	FC100-SB16		
Lab Sample ID:	F57136-9	**Date Sampled:**	04/24/08
Matrix:	AQ - Ground Water	**Date Received:**	04/25/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	1.4	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	1.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	1.4	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.4	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	3.0	4.8	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		14-62%
4165-62-2	Phenol-d5	27%		10-40%
118-79-6	2,4,6-Tribromophenol	83%		33-118%
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	71%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F57136 PAGE 1 OF 1

Accutest Quote # | SKIFF# 24084

Client / Reporting Information

Company Name: Catlin
Address: 220 old Dairy Rd.
City: Wilmington State: NC Zip: 28405
Project Contact: Steve Hudson Email:
Phone# 910.452.5861
Samplers Name(s) Printed: Justin Heter

Project Information

Project Name: FC100 CTO 012
Street:
City: Camp Lejeune State: NC
Project #: 208-016
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection		Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Preservation: Unpres	HCl	H2SO4	NaOH	HNO3	NaHSO4	DI Water	MeOH	Vols Soil Encore	Multiple Analytes	VOC by SW846 8260B	SVOC by SW846 8270C	Matrix Codes
1	FC100-SB01	(2-4')	4/24	1220	JH	SO	4		4							3	1	•	•	
2	" -SB02	(2-4')		1015																
3	" -SB03	(2-4')		1140																
4	" -SB04	(4-6')		1100																
5	" -SB05	(2-4')		1200																
6	" -SB06	(2-4')		1130																
7	" -SB11	(2-4')		1210																
8	FC100-SB08			1245		GW	5		2	3								3	2	
9	FC100-SB16			1300		GW	5		2	3								3	2	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [x] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Justin Heter	4/24 1400	2	3	4/24/08	4 FX
Relinquished by: FX	Date Time:	Received By: 6 4.25°C 11:00	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.0 2.8

4.1 4

F57136: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F57136 CLIENT: Catlin PROJECT: FC100 CTD 012

DATE/TIME RECEIVED: 4-25-08 1100 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 2.0 2.8

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

AIRBILL NUMBERS: 8600 9939 2734

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

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

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? ~~0~~ 21

NUMBER OF 5035 FIELD KITS ? 6

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 4.25.08 TECHNICIAN SIGNATURE/DATE VC 4-25-08

ASBD 12/17/07

4.1 4

F57136: Chain of Custody
Page 2 of 2

Southeast ACCUTEST. Laboratories

IT'S ALL IN THE CHEMISTRY

05/22/08



Technical Report for

Osage of Virginia

FC 100/CTO 012; Camp Lejeune, NC

208-016

Accutest Job Number: F57179

Sampling Date: 04/25/08

Report to:

Osage of Virginia

mcree@osageva.com

ATTN: Mike Cree

Total number of pages in report: 31

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Sections: 1 2 3 4

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Sample Summary

Osage of Virginia

Job No: F57179

FC 100/CTO 012; Camp Lejeune, NC
Project No: 208-016

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F57179-1	04/25/08	09:42	TE	04/26/08	AQ	Ground Water	FC100-TMW02
F57179-2	04/25/08	14:35	TE	04/26/08	AQ	Ground Water	FC100-TMW04
F57179-3	04/25/08	10:10	TE	04/26/08	AQ	Ground Water	FC100-TMW09
F57179-4	04/25/08	09:22	TE	04/26/08	AQ	Ground Water	FC100-TMW10
F57179-5	04/25/08	10:20	TE	04/26/08	AQ	Ground Water	FC100-TMW12
F57179-6	04/25/08	00:00	TE	04/26/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Osage of Virginia	Job No:	F57179
Site:	FC 100/CTO 012; Camp Lejeune, NC	Report Date:	5/20/2008 3:36:00 PM

5 Samples and 1 Trip Blank were collected on 04/25/2008 and were received at Accutest on 04/26/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F57179. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS by Method SW846 8260B

Matrix: AQ Batch ID: VM1120

All samples were analyzed within the recommended method holding time.

Samples F57179-1MS, F57179-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoverys for 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,2-Dichloropropane, Chlorobenzene, cis-1,3-Dichloropropene, Di-Isopropyl ether, Vinyl Acetate are outside control limits.

Matrix Spike and Matrix Spike Duplicate Recoverys for 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,2-Dichloropropane, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Matrix: SO Batch ID: VH1834

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F57136-7MS, F57136-7MSD were used as the QC samples indicated.

Blank Spike Recoverys for 4-Methyl-2-pentanone, cis-1,3-Dichloropropene, n-Propylbenzene, o-Chlorotoluene, p-Isopropyltoluene are outside control limits.

Matrix Spike Recoverys for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,1-Dichloropropene, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Di-Isopropyl ether, Dibromochloromethane, Dichlorodifluoromethane, Ethylbenzene, Isopropylbenzene, m-Dichlorobenzene, Methyl bromide, Methyl chloride, Methyl Tert Butyl Ether, Methylene chloride, n-Butylbenzene, n-Propylbenzene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trichloroethylene, Trichlorofluoromethane, Vinyl chloride, Xylene (total) are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroethane, cis-1,3-Dichloropropene, Isopropylbenzene, Methyl bromide, n-Propylbenzene, o-Chlorotoluene, p-Isopropyltoluene, sec-Butylbenzene, trans-1,2-Dichloroethylene, Trichlorofluoromethane, Vinyl chloride are outside control limits. Probable cause: due to matrix interference.

RPDs for MSD for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Di-Isopropyl ether, Dibromochloromethane, Dichlorodifluoromethane, Ethylbenzene, Isopropylbenzene, m-Dichlorobenzene, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methyl Tert Butyl Ether, Methylene chloride, n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trichloroethylene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride, Xylene (total) are outside control limits for sample F57136-7MSD. Probable cause due to sample non-homogeneity.

F57179-6 for Methylene chloride: Suspected laboratory contaminant.

Extractables by GCMS by Method SW846 8270C

Matrix: AQ Batch ID: OP24939

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F57179-3MS, F57179-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoverys for 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Hexachlorobutadiene, Hexachloroethane are outside control limits.

OP24939-BS for 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Hexachlorobutadiene, Hexachloroethane: Sporadic marginal failure.

Samples OP24939-MS, OP24939-MSD have surrogates outside control limits. Probable cause: due to matrix interference.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: May 20, 2008

Ellen Pampel, Inorganic QA (signature on file)

Tuesday, May 20, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	FC100-TMW02		
Lab Sample ID:	F57179-1	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027167.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW02		
Lab Sample ID:	F57179-1	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	103%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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

Report of Analysis

Client Sample ID:	FC100-TMW02		
Lab Sample ID:	F57179-1	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001882.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	26	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.2	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	2.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	2.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.1	ug/l	
95-48-7	2-Methylphenol	ND	5.2	1.0	ug/l	
	3&4-Methylphenol	ND	5.2	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	26	10	ug/l	
87-86-5	Pentachlorophenol	ND	26	10	ug/l	
108-95-2	Phenol	ND	5.2	2.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.0	ug/l	
83-32-9	Acenaphthene	ND	5.2	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.2	1.1	ug/l	
120-12-7	Anthracene	ND	5.2	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.2	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.2	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.2	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.2	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.2	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.2	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.2	2.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.2	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	2.1	ug/l	
218-01-9	Chrysene	ND	5.2	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.2	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.2	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.2	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.2	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW02		
Lab Sample ID:	F57179-1	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.2	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.2	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.2	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.2	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.2	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.2	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.2	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.2	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.2	2.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.2	2.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.2	2.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.2	2.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.2	2.1	ug/l	
206-44-0	Fluoranthene	ND	5.2	1.0	ug/l	
86-73-7	Fluorene	ND	5.2	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.2	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.2	1.8	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.2	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.2	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.2	1.0	ug/l	
78-59-1	Isophorone	ND	5.2	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.2	1.0	ug/l	
91-20-3	Naphthalene	ND	5.2	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.2	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.2	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.2	1.0	ug/l	
129-00-0	Pyrene	ND	5.2	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	84%		33-118%
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	68%		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

Report of Analysis

Client Sample ID:	FC100-TMW04		
Lab Sample ID:	F57179-2	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027168.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	49.9	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.29	1.0	0.23	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW04		
Lab Sample ID:	F57179-2	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.24	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	0.28	1.0	0.21	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	4.8	5.0	2.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	0.99	1.0	0.20	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	15.8	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	8.5	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	0.81	3.0	0.56	ug/l	J

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

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

Report of Analysis

Client Sample ID:	FC100-TMW04		
Lab Sample ID:	F57179-2	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001883.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	26	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.1	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	2.0	5.1	1.0	ug/l	J
	3&4-Methylphenol	4.7	5.1	1.3	ug/l	J
88-75-5	2-Nitrophenol	ND	5.1	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	26	10	ug/l	
87-86-5	Pentachlorophenol	ND	26	10	ug/l	
108-95-2	Phenol	5.4	5.1	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	1.0	ug/l	
83-32-9	Acenaphthene	ND	5.1	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.1	ug/l	
120-12-7	Anthracene	ND	5.1	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.1	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	2.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW04		
Lab Sample ID:	F57179-2	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.1	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.1	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.1	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.1	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.1	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.1	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.1	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.1	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.1	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.1	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.1	1.0	ug/l	
86-73-7	Fluorene	ND	5.1	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.1	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.1	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	1.0	ug/l	
78-59-1	Isophorone	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	2.2	5.1	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	5.1	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.1	1.0	ug/l	
129-00-0	Pyrene	ND	5.1	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		14-62%
4165-62-2	Phenol-d5	31%		10-40%
118-79-6	2,4,6-Tribromophenol	90%		33-118%
4165-60-0	Nitrobenzene-d5	76%		42-108%
321-60-8	2-Fluorobiphenyl	73%		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

Report of Analysis

Client Sample ID:	FC100-TMW09		
Lab Sample ID:	F57179-3	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027169.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW09		
Lab Sample ID:	F57179-3	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	100%		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:	FC100-TMW09		
Lab Sample ID:	F57179-3	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001884.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.97	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.97	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.97	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	ND	4.9	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.97	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	1.9	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.97	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW09		
Lab Sample ID:	F57179-3	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.97	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.97	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	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	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.97	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	0.97	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	81%		33-118%
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	71%		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

Report of Analysis

Client Sample ID:	FC100-TMW10		
Lab Sample ID:	F57179-4	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027170.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW10		
Lab Sample ID:	F57179-4	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

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

Report of Analysis

Client Sample ID:	FC100-TMW10		
Lab Sample ID:	F57179-4	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001887.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW10		
Lab Sample ID:	F57179-4	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	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	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	17%		10-40%
118-79-6	2,4,6-Tribromophenol	71%		33-118%
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	61%		40-106%
1718-51-0	Terphenyl-d14	71%		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

Report of Analysis

Client Sample ID:	FC100-TMW12		
Lab Sample ID:	F57179-5	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027171.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.26	1.0	0.23	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW12		
Lab Sample ID:	F57179-5	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	0.43	1.0	0.21	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	4.3	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	5.2	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.1	2.0	0.20	ug/l	J
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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

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

Report of Analysis

Client Sample ID:	FC100-TMW12		
Lab Sample ID:	F57179-5	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001888.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	FC100-TMW12		
Lab Sample ID:	F57179-5	**Date Sampled:**	04/25/08
Matrix:	AQ - Ground Water	**Date Received:**	04/26/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	2.6	4.9	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	17%		10-40%
118-79-6	2,4,6-Tribromophenol	73%		33-118%
4165-60-0	Nitrobenzene-d5	62%		42-108%
321-60-8	2-Fluorobiphenyl	63%		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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F57179-6	**Date Sampled:**	04/25/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049213.D	1	05/07/08	SH	n/a	n/a	VH1834
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F57179-6	**Date Sampled:**	04/25/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	04/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride [a]	6.0	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	1.1	5.0	1.0	ug/kg	J
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
1330-20-7	Xylene (total)	ND	15	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

(a) Suspected laboratory contaminant.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL: 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F57179 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Catlin
Address: 220 Old Dairy Rd
City: Wilmington State: NC Zip: 28405
Project Contact: Steve Hudson Email:
Phone: (910) 452-5861
Sampler(s) Name(s) Printed: Therese Ellerman

Project Information

Project Name: FC100
Street: McHugh Blvd
City: Camp Lejeune State: NC
Project #: CTO 012 - 208 - 0116
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	MeOH	HNO3	H2SO4	NaOH/ZnAc	NaHSO4	Unpres	8260D	8270C	Matrix Codes
1	FC100-TMW02	4/25	0940	TE	GW	5		2	3							X	X	
2	FC100-TMW04	4/25	1435	TE	GW	5		2	3							X	X	
3	FC100-TMW09	4/25	1010	TE	GW	5		2	3							X	X	
4	FC100-TMW10	4/25	0922	TE	GW	5		2	3							X	X	
5	FC100-TMW12	4/25	1020	TE	GW	5		2	3							X	X	
	TEMP BLANK	4/25	1500	—		1		1										
6	TRIP BLANKS	4/25	1500	—	W	2		2								X		

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Labink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [X] EDDS To: shudson@catlinusa.com

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time: 1500 4/25/09	Received By: 2 FEDEX	Relinquished by: 3 FEDEX	Date Time:	Received By: 4 Felipe Martinez 09.1703
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 2.0

4.1 4

F57179: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F57179 CLIENT: Catlin PROJECT: FC100

DATE/TIME RECEIVED: 04-26-08 1000 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

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

AIRBILL NUMBERS: 860099392723

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
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

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

{ APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0 + TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: Received Soil TB for water samples.

TECHNICIAN SIGNATURE/DATE 04-26-08 F.M. TECHNICIAN SIGNATURE/DATE 04-26-08

ASBD 12/17/07

4.1 4

F57179: Chain of Custody
Page 2 of 2

APPENDIX D

LABORATORY DATA VALIDATION

ENVIRONMENTAL
Data Services, Inc.

DIESEL RANGE ORGANICS
USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F56908

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 12, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB14 (6-8')	F56908-1	Soil
2	FC100-SB15 (4-6')	F56908-2	Soil
3	FC100-SB17 (6-8')	F56908-3	Soil
3MS	FC100-SB17 (6-8')MS	F56908-3MS	Soil
3MSD	FC100-SB17 (6-8')MSD	F56908-3MSD	Soil
4	FC100-SB18 (6-8')	F56908-4	Soil
5	FC100-SB20 (4-6')	F56908-5	Soil
6	FC100-SB21 (4-6')	F56908-6	Soil
7	FC100-SB29 (2-4')	F56908-7	Soil
8	FC100-SB28 (4-6')	F56908-8	Soil
9	FC100-SB30 (4-6')	F56908-9	Soil
10	FC100-SB32 (6-8')	F56908-10	Soil
11	FC100-SB34 (2-4')	F56908-11	Soil
12	FC100-SB33 (4-6')	F56908-12	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 14 days for soil samples and analyzed within 40 days.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and/or correlation coefficient values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21665.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	21.1	9.3	5.6	mg/kg	
	TPH (>C28-C40)	25.7	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

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

lw
5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21666.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.0	5.4	mg/kg	
	TPH (>C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		49-108%

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

lw
5/12/08

Raw Data: LL21667.D

3

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21667.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.8	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.8	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		49-108%

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

lrw 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21670.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.9	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.9	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

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

5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21673.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.0	5.4	mg/kg	
	TPH (>C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	60%		49-108%

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

MW 5/12/08

Raw Data: LL21674.D

6

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21674.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.2	5.5	mg/kg	
	TPH (>C28-C40)	6.46	9.2	5.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		49-108%

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

JW 5/12/08

Raw Data: LL21675.D

7

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

3.7 3

Client Sample ID:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21675.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.0	mg/kg	
	TPH (>C28-C40)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		49-108%

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

lw 5/12/08

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Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21676.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.1	mg/kg	
	TPH (>C28-C40)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

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

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

JW 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21677.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.0	5.4	mg/kg	
	TPH (>C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

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

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

lw 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21678.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.8	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.8	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		49-108%

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

5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21679.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.4	5.6	mg/kg	
	TPH (> C28-C40)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		49-108%

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

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

5/12/08

Raw Data: LL21680.D

12

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21680.D	1	04/23/08	NY	04/18/08	OP24796	GLL803
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	11	6.7	mg/kg	
	TPH (>C28-C40)	ND	11	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

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

JWS
5/12/08

ENVIRONMENTAL
Data Services, Inc.

GASOLINE RANGE ORGANICS
USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F56908

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 12, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB14 (6-8')	F56908-1	Soil
2	FC100-SB15 (4-6')	F56908-2	Soil
3	FC100-SB17 (6-8')	F56908-3	Soil
4	FC100-SB18 (6-8')	F56908-4	Soil
5	FC100-SB20 (4-6')	F56908-5	Soil
6	FC100-SB21 (4-6')	F56908-6	Soil
7	FC100-SB29 (2-4')	F56908-7	Soil
8	FC100-SB28 (4-6')	F56908-8	Soil
9	FC100-SB30 (4-6')	F56908-9	Soil
10	FC100-SB32 (6-8')	F56908-10	Soil
11	FC100-SB34 (2-4')	F56908-11	Soil
12	FC100-SB33 (4-6')	F56908-12	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for soil samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and/or correlation coefficient values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

Raw Data: QR040827.D

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040827.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.91 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.23	7.7	3.9	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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

5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040828.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.84 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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

JLW 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040829.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.82 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

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

dw
5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040830.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.74 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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

lw 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040831.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.01 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

JW
5/12/08

Report of Analysis

Client Sample ID:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040832.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	2.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	14	7.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

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

lw
5/12/08

Raw Data: QR040833.D

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Report of Analysis

3.7 3

Client Sample ID:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040833.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.22 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		56-136%
98-08-8	aaa-Trifluorotoluene	72%		61-121%

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

MW 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040834.D	1	04/18/08	MM	04/16/08 15:48	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.82 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	9.1	4.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

JW 5/12/08

Raw Data: QR040837.D

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Report of Analysis

3.9 3

Client Sample ID:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040837.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.60 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.9	3.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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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Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040838.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.20 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040839.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.45 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		56-136%
98-08-8	aaa-Trifluorotoluene	73%		61-121%

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

5/12/08

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Report of Analysis

Client Sample ID:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8015 SW846 5035	Percent Solids:	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR040840.D	1	04/18/08	MM	04/16/08 14:21	n/a	GQR1750
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.03 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

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

JW 5/12/08

ENVIRONMENTAL
Data Services, Inc.

TAL METALS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F56908

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 12, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB14 (6-8')	F56908-1	Soil
2	FC100-SB15 (4-6')	F56908-2	Soil
3	FC100-SB17 (6-8')	F56908-3	Soil
4	FC100-SB18 (6-8')	F56908-4	Soil
5	FC100-SB20 (4-6')	F56908-5	Soil
6	FC100-SB21 (4-6')	F56908-6	Soil
7	FC100-SB29 (2-4')	F56908-7	Soil
8	FC100-SB28 (4-6')	F56908-8	Soil
9	FC100-SB30 (4-6')	F56908-9	Soil
10	FC100-SB32 (6-8')	F56908-10	Soil
11	FC100-SB34 (2-4')	F56908-11	Soil
12	FC100-SB33 (4-6')	F56908-12	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within 28 days for mercury and 180 days for all other metals.

Calibration - The ICV and CCV %R values were acceptable.

CRDL Standard - The CRDL standards exhibited acceptable %R values.

Method and Calibration Blanks - The method blanks and continuing calibration blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

ICP Interference Check Sample - All %R values were acceptable.

Matrix Spike/Duplicate - The matrix spike/duplicate samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	%R	Qualifier	Affected Samples
REFERENCE	Several Compounds	Low/High	None	Sample is from another site

LCS - The LCS samples exhibited acceptable %R values.

ICP Serial Dilution - The ICP serial dilution sample exhibited acceptable %D values except the following.

ICP Sample ID	Compound	%D	Qualifier	Affected Samples
REFERENCE	Several Compounds	High	None	Sample is from another site

Field Duplicates - Field duplicate samples were not analyzed.

Compound Quantitation - The laboratory elevated the reporting limit for several thallium results due to matrix interference.

Report of Analysis

Client Sample ID:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2630	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.3	3.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.44	0.44	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.27	0.27	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.22	0.22	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	411	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.3	0.55	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.7	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.4	1.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	856	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.5	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.8	0.82	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.082	0.082	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.2	2.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 550	550	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.5	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 550	550	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	3.0	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	3.5	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

MW 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3770	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.1	3.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.41	0.41	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.25	0.25	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.20	0.20	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	295	250	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.7	0.51	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.5	2.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	1050	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.1	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 250	250	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.4	0.76	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.080	0.080	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.0	2.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 510	510	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.1	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 510	510	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.0	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	2.6	2.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	13.7	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

MW 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1400	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.40	0.40	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.25	0.25	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.20	0.20	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 250	250	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.7	0.51	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.5	2.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	345	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.1	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 250	250	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	10.8	0.76	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.079	0.079	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.0	2.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 510	510	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.1	5.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.51	0.51	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 510	510	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.0	2.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.5	2.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	< 1.0	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

RW
5/12/08

Report of Analysis

Client Sample ID:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1450	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.2	3.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.43	0.43	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.27	0.27	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.9	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.7	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	439	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.7	0.80	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.089	0.089	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.53	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.7	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	< 1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

RW
5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7890	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.2	3.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	1.3	0.43	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	16.5	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.27	0.27	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	8.6	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.7	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	1.7	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	3480	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 270	270	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	7.5	0.80	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.086	0.086	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	2.7	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.53	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	11.8	2.7	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	4.4	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

5/12/08

Report of Analysis

Client Sample ID:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2510	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.2	3.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.42	0.42	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.26	0.26	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.9	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	729	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.6	0.79	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.087	0.087	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.3	5.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.53	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 530	530	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	3.7	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

5/12/08

Report of Analysis

Client Sample ID:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6100	12	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.6	3.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.71	0.48	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 12	12	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.30	0.30	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.24	0.24	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	6000	300	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	6.8	0.60	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 3.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	1.7	1.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	1900	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 6.0	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	311	300	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	8.7	0.91	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.093	0.093	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.4	2.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 600	600	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 6.0	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.60	0.60	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 600	600	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.4	2.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	8.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	5.1	1.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1550	12	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.6	3.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.48	0.48	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 12	12	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.30	0.30	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.24	0.24	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 300	300	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.3	0.60	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 3.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.5	1.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	556	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 6.0	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 300	300	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.7	0.90	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.094	0.094	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.4	2.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 600	600	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 6.0	6.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.60	0.60	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 600	600	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.4	2.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 3.0	3.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	< 1.2	1.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1940	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.1	3.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.54	0.42	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.26	0.26	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	3.1	0.52	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	978	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.2	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.4	0.78	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.082	0.082	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 520	520	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.2	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.52	0.52	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 520	520	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.1	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	5.5	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	< 1.0	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

5/12/08

Report of Analysis

Client Sample ID:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2430	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.1	3.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.41	0.41	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 10	10	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.26	0.26	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	315	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	3.7	0.52	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.3	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	723	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.2	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 260	260	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.6	0.77	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.077	0.077	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	2.4	2.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 520	520	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.2	5.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.52	0.52	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 520	520	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.0	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.6	1.0	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

5/12/08

Report of Analysis

Client Sample ID:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7710	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.3	3.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.66	0.44	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.28	0.28	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.22	0.22	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 280	280	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	9.2	0.55	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.8	2.8	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.4	1.4	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	2630	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.5	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 280	280	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	3.9	0.83	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.090	0.090	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.2	2.2	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 550	550	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.5	5.5	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 550	550	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	11.3	2.8	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	3.8	1.1	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
		Percent Solids:	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6720	13	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.9	3.9	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.57	0.53	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	13.9	13	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.33	0.33	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.26	0.26	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 330	330	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	6.6	0.66	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 3.3	3.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.6	1.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	683	6.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 6.6	6.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 330	330	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.2	0.99	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.11	0.11	mg/kg	1	04/21/08	04/21/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 660	660	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 6.6	6.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.66	0.66	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 660	660	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 2.6	2.6	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	3.7	3.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.9	1.3	mg/kg	1	04/18/08	04/22/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6404
(2) Instrument QC Batch: MA6406
(3) Prep QC Batch: MP14221
(4) Prep QC Batch: MP14236

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

RL = Reporting Limit

5/12/08

ENVIRONMENTAL
Data Services, Inc.

SEMIVOLATILE ORGANIC COMPOUNDS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F56908

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 12, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-TMW32	F56908-13	Water
2	FC100-TMW20	F56908-14	Water
3	FC100-TMW17	F56908-15	Water
4	FC100-TMW14	F56908-16	Water
5	FC100-TMW28	F56908-17	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

GC/MS Tuning - All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW32		
Lab Sample ID:	F56908-13	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001769.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.0	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.3	ug/l	

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

5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW32		
Lab Sample ID:	F56908-13	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	89%		33-118%
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	72%		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

lcw
5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW20		
Lab Sample ID:	F56908-14	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001770.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.0	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.3	ug/l	

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

5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW20		
Lab Sample ID:	F56908-14	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	93%		33-118%
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	75%		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

lw 5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW17		
Lab Sample ID:	F56908-15	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001771.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	0.95	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.95	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.95	ug/l	
	3&4-Methylphenol	ND	4.8	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.95	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.95	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	1.9	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.95	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	1.2	ug/l	

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

5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW17		
Lab Sample ID:	F56908-15	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	1.4	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	1.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	1.4	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.95	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.95	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	1.1	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	1.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.4	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.95	ug/l	
78-59-1	Isophorone	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	1.1	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.95	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-62%
4165-62-2	Phenol-d5	22%		10-40%
118-79-6	2,4,6-Tribromophenol	90%		33-118%
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	75%		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

lw 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW14		
Lab Sample ID:	F56908-16	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001772.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

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

RW
5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW14		
Lab Sample ID:	F56908-16	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	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	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-62%
4165-62-2	Phenol-d5	22%		10-40%
118-79-6	2,4,6-Tribromophenol	92%		33-118%
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	76%		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

5/12/08

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Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW28		
Lab Sample ID:	F56908-17	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001773.D	1	04/23/08	NJ	04/22/08	OP24833	SX89
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.9	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.99	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.99	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.9	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.9	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.99	ug/l	
	3&4-Methylphenol	ND	5.0	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.99	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.9	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.9	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.99	ug/l	
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	0.99	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.99	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.99	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.99	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.99	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.99	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	0.99	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	0.99	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.99	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.99	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.99	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.3	ug/l	

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

5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW28		
Lab Sample ID:	F56908-17	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.99	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.99	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.9	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.99	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.99	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.99	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.99	ug/l	
78-59-1	Isophorone	ND	5.0	0.99	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.99	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.99	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.99	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.99	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.99	ug/l	
129-00-0	Pyrene	ND	5.0	0.99	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	91%		33-118%
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	79%		39-121%

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

MW
5/12/08

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F56908

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 12, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB14 (6-8')	F56908-1	Soil
2	FC100-SB15 (4-6')	F56908-2	Soil
3	FC100-SB17 (6-8')	F56908-3	Soil
4	FC100-SB18 (6-8')	F56908-4	Soil
5	FC100-SB20 (4-6')	F56908-5	Soil
6	FC100-SB21 (4-6')	F56908-6	Soil
7	FC100-SB29 (2-4')	F56908-7	Soil
8	FC100-SB28 (4-6')	F56908-8	Soil
9	FC100-SB30 (4-6')	F56908-9	Soil
10	FC100-SB32 (6-8')	F56908-10	Soil
11	FC100-SB34 (2-4')	F56908-11	Soil
12	FC100-SB33 (4-6')	F56908-12	Soil
13	FC100-TMW32	F56908-13	Water
14	FC100-TMW20	F56908-14	Water
15	FC100-TMW17	F56908-15	Water
15MS	FC100-TMW17MS	F56908-15MS	Water
15MSD	FC100-TMW17MSD	F56908-15MSD	Water
16	FC100-TMW14	F56908-16	Water
17	FC100-TMW28	F56908-17	Water
18	TRIP BLANK	F56908-18	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water and soil samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/26/08 (1035)	Acetone	43.0% D	J/UJ	1-12
	2-Butanone	35.3% D	J/UJ	1-12
	4-Methyl-2-pentanone	34.8% D	J/UJ	1-12
	1,1,2-Trichloroethane	26.0% D	J/UJ	1-12
	1,2-Dibromoethane	26.2% D	J/UJ	1-12
	2-Hexanone	39.1% D	J/UJ	1-12
	Bromoform	30.0% D	J/UJ	1-12
	1,1,2,2-Tetrachloroethane	26.3% D	J/UJ	1-12
	1,2,3-Trichloropropane	28.8% D	J/UJ	1-12
04/26/08 (1135)	Chloromethane	28.5% D	J/UJ	15-18

Surrogates - All samples exhibited acceptable surrogate recoveries except the following.

Sample ID	Surrogate	%R	Qualifier
TRIP BLANK	S2-1,2-Dichloroethane-d4	129%	None - All ND

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
FC100-TMW17	Vinyl Acetate	Ok/162%/Ok	None - Sample ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
VG1895-BS	Dichlorodifluoromethane	170%	None	All ND
VB2216-BS	Vinyl Acetate	160%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria except the following.

Sample ID	Internal Standard	Area Count	Qualifier
TRIP BLANK	IS3-1,4-Dichlorobenzene-d4	Low	UJ - Associated Compounds

Method Blank - The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
VB2215-MB	Methylene Chloride	1.6	16	None	All ND
	1,2,3-Trichlorobenzene	0.50	2.5	None	All ND
VB2216-MB	1,2,3-Trichlorobenzene	0.35	1.75	None	All ND

Blank ID	Compound	Conc. ug/kg	Action Level ug/kg	Qualifier	Affected Samples
VG1895-MB	Methylene Chloride	10.2	102	U	1-12

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
TRIP BLANK	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

Raw Data: G0049952.D

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049952.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	30.0 J	56	28	ug/kg	J
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.1	ug/kg	
75-25-2	Bromoform	ND UJ	5.6	1.1	ug/kg	
104-51-8	n-Butylbenzene	1.9	5.6	1.1	ug/kg	J
135-98-8	sec-Butylbenzene	3.3	5.6	1.2	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.6	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.9	ug/kg	
67-66-3	Chloroform	ND	5.6	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND UJ	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	1.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	

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

lew 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB14 (6-8')		
Lab Sample ID:	F56908-1	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
591-78-6	2-Hexanone	~~ND~~ UJ	28	11	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	~~ND~~ UJ	28	11	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.2	ug/kg	
75-09-2	Methylene chloride [b]	~~9.5~~ 11 U	11	5.6	ug/kg	~~JB~~
78-93-3	Methyl ethyl ketone	~~ND~~ UJ	28	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.1	ug/kg	
91-20-3	Naphthalene	4.6	5.6	2.2	ug/kg	J
103-65-1	n-Propylbenzene	ND	5.6	1.2	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	~~ND~~ UJ	5.6	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	~~ND~~ UJ	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	~~ND~~ UJ	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.1	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	1.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	28	5.6	ug/kg	
1330-20-7	Xylene (total)	ND	17	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) CCV outside of control limits; results may be biased high.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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N = Indicates presumptive evidence of a compound

LW
5/12/08

Raw Data: G0049953.D

2

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

3.2 3

Client Sample ID:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049953.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.80 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	70	35	ug/kg	
71-43-2	Benzene	ND	7.0	1.4	ug/kg	
108-86-1	Bromobenzene	ND	7.0	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	7.0	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	1.4	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	7.0	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	7.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.0	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.0	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.0	3.7	ug/kg	
67-66-3	Chloroform	ND	7.0	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.0	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.0	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	7.0	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.0	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.0	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.0	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.0	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.0	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.0	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	1.4	ug/kg	

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

lw 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB15 (4-6')		
Lab Sample ID:	F56908-2	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	93.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	1.4	ug/kg	
591-78-6	2-Hexanone	~~ND~~ UJ	35	14	ug/kg	
98-82-8	Isopropylbenzene	ND	7.0	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.0	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	~~ND~~ UJ	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.5	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride [a]	27.9 U	14	7.0	ug/kg	~~B~~
78-93-3	Methyl ethyl ketone	~~ND~~ UJ	35	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.0	1.4	ug/kg	
91-20-3	Naphthalene	ND	7.0	2.8	ug/kg	
103-65-1	n-Propylbenzene	ND	7.0	1.5	ug/kg	
100-42-5	Styrene	ND	7.0	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	~~ND~~ UJ	7.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	~~ND~~ UJ	7.0	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.0	2.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	~~ND~~ UJ	7.0	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.0	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.0	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.0	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	1.4	ug/kg	
108-88-3	Toluene	ND	7.0	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	7.0	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.0	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	35	7.0	ug/kg	
1330-20-7	Xylene (total)	ND	21	3.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

dew
5/12/08

Raw Data: G0049954.D

3

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

3.3

Client Sample ID:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049954.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.59 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	74	37	ug/kg	
71-43-2	Benzene	ND	7.4	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.4	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.4	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.4	1.5	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	7.4	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.4	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.4	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.4	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.4	3.8	ug/kg	
67-66-3	Chloroform	ND	7.4	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.4	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.4	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.4	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.4	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.4	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.4	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	7.4	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.4	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.4	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.4	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.4	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.4	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.4	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.4	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.4	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.4	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.4	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.4	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.4	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.4	1.5	ug/kg	

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

JW 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB17 (6-8')		
Lab Sample ID:	F56908-3	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	94.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.4	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.4	1.5	ug/kg	
591-78-6	2-Hexanone	~~ND~~ UJ	37	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.4	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.4	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	~~ND~~ UJ	37	15	ug/kg	
74-83-9	Methyl bromide	ND	7.4	2.7	ug/kg	
74-87-3	Methyl chloride	ND	7.4	3.0	ug/kg	
75-09-2	Methylene chloride [a]	18.9 U	15	7.4	ug/kg	~~B~~
78-93-3	Methyl ethyl ketone	~~ND~~ UJ	37	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.4	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.4	3.0	ug/kg	
103-65-1	n-Propylbenzene	ND	7.4	1.6	ug/kg	
100-42-5	Styrene	ND	7.4	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.4	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	~~ND~~ UJ	7.4	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	~~ND~~ UJ	7.4	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	3.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	~~ND~~ UJ	7.4	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.4	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.4	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.4	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.4	1.5	ug/kg	
108-88-3	Toluene	ND	7.4	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.4	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.4	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	7.4	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	37	7.4	ug/kg	
1330-20-7	Xylene (total)	ND	22	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	93%		77-123%

(a) Suspected laboratory contaminant.

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

JW 5/12/08

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Report of Analysis

3.4 3

Client Sample ID:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049955.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.56 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	75	37	ug/kg	
71-43-2	Benzene	ND	7.5	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.5	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.5	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.5	1.5	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	7.5	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.5	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.5	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.5	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.5	3.9	ug/kg	
67-66-3	Chloroform	ND	7.5	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.5	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.5	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.5	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.5	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.5	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.5	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	7.5	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.5	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.5	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.5	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.5	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.5	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.5	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.5	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.5	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.5	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.5	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.5	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.5	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.5	1.5	ug/kg	

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

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Report of Analysis

Client Sample ID:	FC100-SB18 (6-8')		
Lab Sample ID:	F56908-4	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	94.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.5	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.5	1.5	ug/kg	
591-78-6	2-Hexanone	ND UJ	37	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.5	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.5	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	37	15	ug/kg	
74-83-9	Methyl bromide	ND	7.5	2.7	ug/kg	
74-87-3	Methyl chloride	ND	7.5	3.0	ug/kg	
75-09-2	Methylene chloride [a]	20.4 U	15	7.5	ug/kg	B
78-93-3	Methyl ethyl ketone	ND UJ	37	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.5	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.5	3.0	ug/kg	
103-65-1	n-Propylbenzene	ND	7.5	1.6	ug/kg	
100-42-5	Styrene	ND	7.5	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.5	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	7.5	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND UJ	7.5	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.5	3.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND UJ	7.5	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.5	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.5	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.5	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.5	1.5	ug/kg	
108-88-3	Toluene	ND	7.5	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.5	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.5	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	7.5	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	37	7.5	ug/kg	
1330-20-7	Xylene (total)	ND	22	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

MW 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049956.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	4.22 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND UJ	64	32	ug/kg	
71-43-2	Benzene	ND	6.4	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.3	ug/kg	
75-25-2	Bromoform	ND UJ	6.4	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.3	ug/kg	
67-66-3	Chloroform	ND	6.4	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND UJ	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.4	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	

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

JW 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB20 (4-6')		
Lab Sample ID:	F56908-5	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	92.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND UJ	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride [a]	44.4 U	13	6.4	ug/kg	B
78-93-3	Methyl ethyl ketone	ND UJ	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.4	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	1.4	ug/kg	
100-42-5	Styrene	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	6.4	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND UJ	6.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND UJ	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.3	ug/kg	
108-88-3	Toluene	ND	6.4	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.4	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) Suspected laboratory contaminant.

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

lw 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049957.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	4.06 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	68	34	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.8	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.4	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	6.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.8	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.8	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.8	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	3.6	ug/kg	
67-66-3	Chloroform	ND	6.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.8	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.8	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	6.8	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.8	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.8	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.8	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.8	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	

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

LW 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB21 (4-6')		
Lab Sample ID:	F56908-6	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	90.0
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND UJ	34	14	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride [a]	32.8 U	14	6.8	ug/kg	B
78-93-3	Methyl ethyl ketone	ND UJ	34	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	6.8	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.8	1.5	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	6.8	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND UJ	6.8	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.8	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND UJ	6.8	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.8	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.4	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	6.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	34	6.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	2.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

lcw
5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049958.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	4.75 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	64	32	ug/kg	
71-43-2	Benzene	ND	6.4	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.3	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	6.4	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.3	ug/kg	
67-66-3	Chloroform	ND	6.4	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.4	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	

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

KW 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB29 (2-4')		
Lab Sample ID:	F56908-7	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	82.8
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND UJ	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.5	ug/kg	
75-09-2	Methylene chloride [a]	40.4 U	13	6.4	ug/kg	B
78-93-3	Methyl ethyl ketone	ND UJ	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.4	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	1.4	ug/kg	
100-42-5	Styrene	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	6.4	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND UJ	6.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND UJ	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.3	ug/kg	
108-88-3	Toluene	ND	6.4	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.4	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) Suspected laboratory contaminant.

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

lw 5/12/08

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Report of Analysis

3.8

3

Client Sample ID:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049959.D	1	04/26/08	SH	04/16/08 15:48	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.77 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	81	40	ug/kg	
71-43-2	Benzene	ND	8.1	1.6	ug/kg	
108-86-1	Bromobenzene	ND	8.1	1.6	ug/kg	
74-97-5	Bromochloromethane	ND	8.1	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	8.1	1.6	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	8.1	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	8.1	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	8.1	1.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	8.1	1.9	ug/kg	
108-90-7	Chlorobenzene	ND	8.1	1.6	ug/kg	
75-00-3	Chloroethane	ND	8.1	4.2	ug/kg	
67-66-3	Chloroform	ND	8.1	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	8.1	1.9	ug/kg	
106-43-4	p-Chlorotoluene	ND	8.1	1.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	8.1	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.1	1.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	8.1	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	8.1	1.6	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	8.1	1.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8.1	1.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.1	2.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	8.1	1.6	ug/kg	
108-20-3	Di-Isopropyl ether	ND	8.1	1.6	ug/kg	
594-20-7	2,2-Dichloropropane	ND	8.1	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	8.1	1.6	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	8.1	3.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	8.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.1	1.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	8.1	1.6	ug/kg	
95-50-1	o-Dichlorobenzene	ND	8.1	1.6	ug/kg	
106-46-7	p-Dichlorobenzene	ND	8.1	1.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	8.1	1.6	ug/kg	

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

MW 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB28 (4-6')		
Lab Sample ID:	F56908-8	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	82.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	8.1	1.6	ug/kg	
100-41-4	Ethylbenzene	ND	8.1	1.6	ug/kg	
591-78-6	2-Hexanone	~~ND~~ UJ	40	16	ug/kg	
98-82-8	Isopropylbenzene	ND	8.1	1.6	ug/kg	
99-87-6	p-Isopropyltoluene	ND	8.1	1.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	~~ND~~ UJ	40	16	ug/kg	
74-83-9	Methyl bromide	ND	8.1	2.9	ug/kg	
74-87-3	Methyl chloride	ND	8.1	3.2	ug/kg	
75-09-2	Methylene chloride [a]	41.8 U	16	8.1	ug/kg	B
78-93-3	Methyl ethyl ketone	~~ND~~ UJ	40	16	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8.1	1.6	ug/kg	
91-20-3	Naphthalene	ND	8.1	3.2	ug/kg	
103-65-1	n-Propylbenzene	ND	8.1	1.8	ug/kg	
100-42-5	Styrene	ND	8.1	1.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.1	1.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	~~ND~~ UJ	8.1	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	~~ND~~ UJ	8.1	1.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	8.1	3.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	~~ND~~ UJ	8.1	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8.1	1.8	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	8.1	1.8	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	8.1	1.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	8.1	1.6	ug/kg	
108-88-3	Toluene	ND	8.1	1.6	ug/kg	
79-01-6	Trichloroethylene	ND	8.1	1.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.1	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	8.1	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	40	8.1	ug/kg	
1330-20-7	Xylene (total)	ND	24	3.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	87%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	92%		77-123%

(a) Suspected laboratory contaminant.

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

5/12/08

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Report of Analysis

Client Sample ID:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049960.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.69 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	73	37	ug/kg	
71-43-2	Benzene	ND	7.3	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.3	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.3	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.3	1.5	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	7.3	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.3	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.3	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.3	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.3	3.8	ug/kg	
67-66-3	Chloroform	ND	7.3	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.3	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.3	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.3	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.3	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.3	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.3	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	7.3	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.3	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.3	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.3	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.3	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.3	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.3	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.3	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.3	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.3	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.3	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.3	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.3	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.3	1.5	ug/kg	

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

lw 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB30 (4-6')		
Lab Sample ID:	F56908-9	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	92.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.3	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.3	1.5	ug/kg	
591-78-6	2-Hexanone	ND UJ	37	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.3	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.3	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	37	15	ug/kg	
74-83-9	Methyl bromide	ND	7.3	2.6	ug/kg	
74-87-3	Methyl chloride	ND	7.3	2.9	ug/kg	
75-09-2	Methylene chloride [a]	29.7 U	15	7.3	ug/kg	B
78-93-3	Methyl ethyl ketone	ND UJ	37	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.3	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.3	2.9	ug/kg	
103-65-1	n-Propylbenzene	ND	7.3	1.6	ug/kg	
100-42-5	Styrene	ND	7.3	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.3	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	7.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND UJ	7.3	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	2.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND UJ	7.3	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.3	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.3	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.3	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.3	1.5	ug/kg	
108-88-3	Toluene	ND	7.3	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.3	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	7.3	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	37	7.3	ug/kg	
1330-20-7	Xylene (total)	ND	22	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	96%		77-123%

(a) Suspected laboratory contaminant.

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

MW 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049961.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.51 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	75	38	ug/kg	
71-43-2	Benzene	ND	7.5	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.5	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.5	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.5	1.5	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	7.5	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.5	1.7	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.5	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.5	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.5	3.9	ug/kg	
67-66-3	Chloroform	ND	7.5	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.5	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.5	1.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.5	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.5	1.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.5	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.5	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	7.5	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.5	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.5	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.5	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.5	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.5	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.5	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.5	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.5	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.5	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.5	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.5	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.5	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.5	1.5	ug/kg	

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

5/12/08

Report of Analysis

Client Sample ID:	FC100-SB32 (6-8')		
Lab Sample ID:	F56908-10	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	94.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.5	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.5	1.5	ug/kg	
591-78-6	2-Hexanone	ND UJ	38	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.5	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.5	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	38	15	ug/kg	
74-83-9	Methyl bromide	ND	7.5	2.7	ug/kg	
74-87-3	Methyl chloride	ND	7.5	3.0	ug/kg	
75-09-2	Methylene chloride [a]	27.6 U	15	7.5	ug/kg	B
78-93-3	Methyl ethyl ketone	ND UJ	38	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.5	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.5	3.0	ug/kg	
103-65-1	n-Propylbenzene	ND	7.5	1.7	ug/kg	
100-42-5	Styrene	ND	7.5	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.5	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	7.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND UJ	7.5	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.5	3.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND UJ	7.5	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.5	1.7	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.5	1.7	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.5	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.5	1.5	ug/kg	
108-88-3	Toluene	ND	7.5	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.5	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.5	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	7.5	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	38	7.5	ug/kg	
1330-20-7	Xylene (total)	ND	23	3.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	98%		77-123%

(a) Suspected laboratory contaminant.

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

5/12/08

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Report of Analysis

Client Sample ID:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049962.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	4.80 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	59	30	ug/kg	
71-43-2	Benzene	ND	5.9	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.2	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	5.9	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.1	ug/kg	
67-66-3	Chloroform	ND	5.9	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.9	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	

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

MH
9/2/08

Report of Analysis

Client Sample ID:	FC100-SB34 (2-4')		
Lab Sample ID:	F56908-11	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	88.1
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
591-78-6	2-Hexanone	ND UJ	30	12	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	30	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
75-09-2	Methylene chloride [a]	25.3 U	12	5.9	ug/kg	B
78-93-3	Methyl ethyl ketone	ND UJ	30	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.2	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.3	ug/kg	
100-42-5	Styrene	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	5.9	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND UJ	5.9	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND UJ	5.9	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.2	ug/kg	
108-88-3	Toluene	ND	5.9	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	1.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	30	5.9	ug/kg	
1330-20-7	Xylene (total)	ND	18	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	90%		77-123%

(a) Suspected laboratory contaminant.

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

JW 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0049963.D	1	04/26/08	SH	04/16/08 14:21	n/a	VG1895
Run #2							

	Initial Weight
Run #1	3.90 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ UJ	86	43	ug/kg	
71-43-2	Benzene	ND	8.6	1.7	ug/kg	
108-86-1	Bromobenzene	ND	8.6	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	8.6	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	8.6	1.7	ug/kg	
75-25-2	Bromoform	~~ND~~ UJ	8.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	8.6	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	8.6	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	8.6	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	8.6	1.7	ug/kg	
75-00-3	Chloroethane	ND	8.6	4.5	ug/kg	
67-66-3	Chloroform	ND	8.6	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	8.6	2.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	8.6	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	8.6	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.6	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	8.6	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	8.6	1.7	ug/kg	
106-93-4	1,2-Dibromoethane	~~ND~~ UJ	8.6	1.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8.6	1.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.6	2.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	8.6	1.7	ug/kg	
108-20-3	Di-Isopropyl ether	ND	8.6	1.7	ug/kg	
594-20-7	2,2-Dichloropropane	ND	8.6	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	8.6	1.7	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	8.6	3.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	8.6	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.6	1.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	8.6	1.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	8.6	1.7	ug/kg	
106-46-7	p-Dichlorobenzene	ND	8.6	1.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	8.6	1.7	ug/kg	

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

lw 5/12/08

Report of Analysis

Client Sample ID:	FC100-SB33 (4-6')		
Lab Sample ID:	F56908-12	Date Sampled:	04/15/08
Matrix:	SO - Soil	Date Received:	04/16/08
Method:	SW846 8260B SW846 5035	Percent Solids:	74.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	8.6	1.7	ug/kg	
100-41-4	Ethylbenzene	ND	8.6	1.7	ug/kg	
591-78-6	2-Hexanone	ND UJ	43	17	ug/kg	
98-82-8	Isopropylbenzene	ND	8.6	1.7	ug/kg	
99-87-6	p-Isopropyltoluene	ND	8.6	1.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	43	17	ug/kg	
74-83-9	Methyl bromide	ND	8.6	3.1	ug/kg	
74-87-3	Methyl chloride	ND	8.6	3.4	ug/kg	
75-09-2	Methylene chloride [a]	36.3 U	17	8.6	ug/kg	B
78-93-3	Methyl ethyl ketone	ND UJ	43	17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	8.6	3.4	ug/kg	
103-65-1	n-Propylbenzene	ND	8.6	1.9	ug/kg	
100-42-5	Styrene	ND	8.6	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.6	1.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	8.6	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND UJ	8.6	1.7	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	8.6	3.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND UJ	8.6	3.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8.6	1.9	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	8.6	1.9	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	8.6	1.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	8.6	1.7	ug/kg	
108-88-3	Toluene	ND	8.6	1.7	ug/kg	
79-01-6	Trichloroethylene	ND	8.6	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.6	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	8.6	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	43	8.6	ug/kg	
1330-20-7	Xylene (total)	ND	26	3.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) Suspected laboratory contaminant.

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

RW 5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW32		
Lab Sample ID:	F56908-13	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052775.D	1	04/26/08	LD	n/a	n/a	VB2215
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW32		
Lab Sample ID:	F56908-13	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	108%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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

5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW20		
Lab Sample ID:	F56908-14	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052776.D	1	04/26/08	LD	n/a	n/a	VB2215
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

lcw 5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW20		
Lab Sample ID:	F56908-14	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	109%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW17		
Lab Sample ID:	F56908-15	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052782.D	1	04/26/08	LD	n/a	n/a	VB2216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

lw 5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW17		
Lab Sample ID:	F56908-15	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	111%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

MW
5/12/08

Raw Data: B052783.D

16

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW14		
Lab Sample ID:	F56908-16	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052783.D	1	04/26/08	LD	n/a	n/a	VB2216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

lw 5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW14		
Lab Sample ID:	F56908-16	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	111%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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

5/12/08

Raw Data: B052784.D

17

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3.17 3

Report of Analysis

Client Sample ID:	FC100-TMW28		
Lab Sample ID:	F56908-17	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052784.D	1	04/26/08	LD	n/a	n/a	VB2216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	0.61	1.0	0.33	ug/l	J
135-98-8	sec-Butylbenzene	1.0	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	0.32	1.0	0.21	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

lw
5/12/08

Report of Analysis

Client Sample ID:	FC100-TMW28		
Lab Sample ID:	F56908-17	Date Sampled:	04/15/08
Matrix:	AQ - Ground Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.31	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	1.2	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.5	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	113%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

5/12/08

Accutest LabLink@76229 08:47 09-May-2008

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F56908-18	Date Sampled:	04/15/08
Matrix:	AQ - Trip Blank Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B052801.D	1	04/26/08	LD	n/a	n/a	VB2216
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND UJ	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND UJ	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND UJ	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND UJ	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND UJ	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND UJ	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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 UJ	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND UJ	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND UJ	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	

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

5/12/08

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F56908-18	Date Sampled:	04/15/08
Matrix:	AQ - Trip Blank Water	Date Received:	04/16/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND UJ	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND UJ	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND UJ	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND UJ	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND UJ	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND UJ	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND UJ	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND UJ	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND UJ	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND UJ	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	129% [a]		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	113%		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

5/12/08

ENVIRONMENTAL
Data Services, Inc.

DIESEL RANGE ORGANICS
USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57063

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 28, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB27 (2-4')	F57063-1	Soil
1MS	FC100-SB27 (2-4')MS	F57063-1MS	Soil
1MSD	FC100-SB27 (2-4')MSD	F57063-1MSD	Soil
2	FC100-SB19 (6-8')	F57063-2	Soil
3	FC100-SB31 (6-8')	F57063-3	Soil
4	FC100-SB36 (2-4')	F57063-4	Soil
5	FC100-SB25 (2-4')	F57063-5	Soil
6	FC100-SB26 (2-4')	F57063-6	Soil
7	FC100-SB23 (2-4')	F57063-7	Soil
8	FC100-SB24 (2-4')	F57063-8	Soil
9	FC100-SB35 (2-4')	F57063-9	Soil
10	FC100-SB22 (2-4')	F57063-10	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 14 days for soil samples and analyzed within 40 days.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and/or correlation coefficient values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
FC100-SB27 (2-4')	TPH (>C28-C40)	Ok/37%/Ok	J

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

Raw Data: LL21795.D

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB27 (2-4')		
Lab Sample ID:	F57063-1	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	90.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21795.D	1	04/30/08	NY	04/24/08	OP24862	GLL807
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	9.55	9.2	5.5	mg/kg	
	TPH (>C28-C40)	21.0 J	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

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

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

DW 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB19 (6-8')		
Lab Sample ID:	F57063-2	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	92.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21779.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.0	5.4	mg/kg	
	TPH (>C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

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

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

lw 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21798.D	1	04/30/08	NY	04/24/08	OP24862	GLL807
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	25.7	9.0	5.4	mg/kg	
	TPH (>C28-C40)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

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

lw
5/28/08

Raw Data: LL21781.D

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Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

3.4 3

Client Sample ID:	FC100-SB36 (2-4')		
Lab Sample ID:	F57063-4	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21781.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	29.8	9.5	5.7	mg/kg	
	TPH (>C28-C40)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

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

LW
5/28/08

Raw Data: LL21782.D

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Report of Analysis

3.5 3

Client Sample ID:	FC100-SB25 (2-4')		
Lab Sample ID:	F57063-5	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21782.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	56.1	47	28	mg/kg	
	TPH (>C28-C40)	64.0	47	28	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

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

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

5/28/08

Raw Data: LL21785.D

6

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Report of Analysis

3.6
3

Client Sample ID:	FC100-SB26 (2-4')		
Lab Sample ID:	F57063-6	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21785.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.2	5.5	mg/kg	
	TPH (> C28-C40)	ND	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

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

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

5/28/08

Raw Data: LL21786.D

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Report of Analysis

3.7 3

Client Sample ID:	FC100-SB23 (2-4')		
Lab Sample ID:	F57063-7	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21786.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.6	5.7	mg/kg	
	TPH (>C28-C40)	ND	9.6	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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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Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB24 (2-4')		
Lab Sample ID:	F57063-8	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	87.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21787.D	1	04/28/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	15.6	9.6	5.7	mg/kg	
	TPH (>C28-C40)	38.5	9.6	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		49-108%

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

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

QEV
5/28/08

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Report of Analysis

Client Sample ID:	FC100-SB35 (2-4')		
Lab Sample ID:	F57063-9	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	82.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21788.D	1	04/29/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.0	mg/kg	
	TPH (>C28-C40)	7.28	10	6.0	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

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

lw 5/28/08

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Report of Analysis

Client Sample ID:	FC100-SB22 (2-4')		
Lab Sample ID:	F57063-10	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	85.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21789.D	1	04/29/08	NY	04/24/08	OP24862	GLL806
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	11.1	9.8	5.9	mg/kg	
	TPH (>C28-C40)	60.2	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		49-108%

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

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

QW
5/28/08

ENVIRONMENTAL
Data Services, Inc.

GASOLINE RANGE ORGANICS
USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57063

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 28, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB27 (2-4')	F57063-1	Soil
2	FC100-SB19 (6-8')	F57063-2	Soil
3	FC100-SB31 (6-8')	F57063-3	Soil
4	FC100-SB36 (2-4')	F57063-4	Soil
5	FC100-SB25 (2-4')	F57063-5	Soil
6	FC100-SB26 (2-4')	F57063-6	Soil
7	FC100-SB23 (2-4')	F57063-7	Soil
8	FC100-SB24 (2-4')	F57063-8	Soil
9	FC100-SB35 (2-4')	F57063-9	Soil
10	FC100-SB22 (2-4')	F57063-10	Soil
10MS	FC100-SB22 (2-4')MS	F57063-10MS	Soil
10MSD	FC100-SB22 (2-4')MSD	F57063-10MSD	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for soil samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and/or correlation coefficient values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

Raw Data: QR041040.D

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB27 (2-4')		
Lab Sample ID:	F57063-1	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	90.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041040.D	1	04/24/08	MM	04/23/08 13:35	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.22 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

MW 5128108

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB19 (6-8')		
Lab Sample ID:	F57063-2	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	92.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041041.D	1	04/24/08	MM	04/23/08 13:35	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.25 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

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

MW 5/28/08

Raw Data: QR041071.D

3

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041071.D	1	04/25/08	MM	04/23/08 14:05	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.32 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

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

MW
5/28/08

Raw Data: QR041043.D

4

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

3.4 3

Client Sample ID:	FC100-SB36 (2-4')		
Lab Sample ID:	F57063-4	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041043.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.60 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.9	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

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

lw 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB25 (2-4')		
Lab Sample ID:	F57063-5	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041044.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.13 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

5/28/08

Raw Data: QR041045.D

4

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

3.6

3

Client Sample ID:	FC100-SB26 (2-4')		
Lab Sample ID:	F57063-6	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041045.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.22 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

JLS
5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB23 (2-4')		
Lab Sample ID:	F57063-7	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041048.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.55 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

DLW 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB24 (2-4')		
Lab Sample ID:	F57063-8	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	87.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041049.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.47 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

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

5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB35 (2-4')		
Lab Sample ID:	F57063-9	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	82.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041050.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.38 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.9	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

MW
5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB22 (2-4')		
Lab Sample ID:	F57063-10	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8015 SW846 5035	Percent Solids:	85.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041051.D	1	04/24/08	MM	04/23/08 14:05	n/a	GQR1759
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.46 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

JLW
5/28/08

ENVIRONMENTAL
Data Services, Inc.

SEMIVOLATILE ORGANIC COMPOUNDS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57063

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 28, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-TMW26	F57063-11	Water
2	FC100-TMW24	F57063-12	Water
3	FC100-TMW23	F57063-13	Water
4	FC100-TMW31	F57063-14	Water
5	FC100-TMW19	F57063-15	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

GC/MS Tuning - All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
OP24897-BS	Hexachloroethane	34%	UJ	All Samples

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW26		
Lab Sample ID:	F57063-11	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001823.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

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

lew
5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW26		
Lab Sample ID:	F57063-11	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND U J	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	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	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		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	63%		42-108%
321-60-8	2-Fluorobiphenyl	61%		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

MW 5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW24		
Lab Sample ID:	F57063-12	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001824.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.97	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.97	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.97	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	ND	4.9	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.97	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	1.9	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.97	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

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

MW
5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW24		
Lab Sample ID:	F57063-12	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.97	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.97	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND UJ	4.9	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	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	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.97	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	0.97	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	16%		10-40%
118-79-6	2,4,6-Tribromophenol	64%		33-118%
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	53%		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

MW 5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW23		
Lab Sample ID:	F57063-13	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001825.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	0.96	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.96	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.96	ug/l	
	3&4-Methylphenol	ND	4.8	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.96	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	1.9	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	1.2	ug/l	

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

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

JeW 5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW23		
Lab Sample ID:	F57063-13	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	1.4	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	1.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	1.4	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.4	ug/l	
67-72-1	Hexachloroethane	~~ND~~ UJ	4.8	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	5.6	4.8	0.96	ug/l	
91-20-3	Naphthalene	2.3	4.8	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		14-62%
4165-62-2	Phenol-d5	16%		10-40%
118-79-6	2,4,6-Tribromophenol	60%		33-118%
4165-60-0	Nitrobenzene-d5	58%		42-108%
321-60-8	2-Fluorobiphenyl	57%		40-106%
1718-51-0	Terphenyl-d14	51%		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

lew 5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW31		
Lab Sample ID:	F57063-14	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001826.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	19.3	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	8.9	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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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5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW31		
Lab Sample ID:	F57063-14	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND U J	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	36.2	4.9	0.98	ug/l	
91-20-3	Naphthalene	118	4.9	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	24%		10-40%
118-79-6	2,4,6-Tribromophenol	81%		33-118%
4165-60-0	Nitrobenzene-d5	63%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	63%		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

lw 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW19		
Lab Sample ID:	F57063-15	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001827.D	1	04/29/08	NJ	04/28/08	OP24897	SX91
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	0.96	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.96	ug/l	
105-67-9	2,4-Dimethylphenol	42.5	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	1.9	ug/l	
95-48-7	2-Methylphenol	16.4	4.8	0.96	ug/l	
	3&4-Methylphenol	9.5	4.8	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.96	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	1.9	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	1.2	ug/l	

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

MW 5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW19		
Lab Sample ID:	F57063-15	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	1.4	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	1.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	1.4	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.4	ug/l	
67-72-1	Hexachloroethane	~~ND~~ UJ	4.8	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	16.2	4.8	0.96	ug/l	
91-20-3	Naphthalene	99.3	4.8	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	25%		10-40%
118-79-6	2,4,6-Tribromophenol	78%		33-118%
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	64%		40-106%
1718-51-0	Terphenyl-d14	53%		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

JW 5/28/08

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57063

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 28, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB27 (2-4')	F57063-1	Soil
2	FC100-SB19 (6-8')	F57063-2	Soil
3	FC100-SB31 (6-8')	F57063-3	Soil
4	FC100-SB36 (2-4')	F57063-4	Soil
5	FC100-SB25 (2-4')	F57063-5	Soil
6	FC100-SB26 (2-4')	F57063-6	Soil
7	FC100-SB23 (2-4')	F57063-7	Soil
8	FC100-SB24 (2-4')	F57063-8	Soil
8MS	FC100-SB24 (2-4')MS	F57063-8MS	Soil
8MSD	FC100-SB24 (2-4')MSD	F57063-8MSD	Soil
9	FC100-SB35 (2-4')	F57063-9	Soil
10	FC100-SB22 (2-4')	F57063-10	Soil
11	FC100-TMW26	F57063-11	Water
12	FC100-TMW24	F57063-12	Water
13	FC100-TMW23	F57063-13	Water
14	FC100-TMW31	F57063-14	Water
15	FC100-TMW19	F57063-15	Water
15MS	FC100-TMW19MS	F57063-15MS	Water
15MSD	FC100-TMW19MSD	F57063-15MSD	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water and soil samples except the following.

Sample	Date Sampled	Date Analyzed	# of Days	Qualifier
FC100-SB31 (6-8')	04/21/08	Encore - Not preserved within 48 hrs		J/UJ

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values except the following.

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
05/06/08	Acetone	0.043 RRF	R	11-15

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/01/08	cis-1,2-Dichloroethene	30.1% D	UJ	1, 2, 4, 5, 6, 7
05/06/08	Acetone	0.043 RRF	None	Already Qualified

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
FC100-SB24 (2-4')	n-Butylbenzene	Ok/67%/33	UJ
	sec-Butylbenzene	Ok/80%/34	UJ
	p-Chlorotoluene	Ok/77%/Ok	UJ
	m-Dichlorobenzene	Ok/64%/Ok	UJ
	o-Dichlorobenzene	Ok/67%/Ok	UJ
	p-Dichlorobenzene	Ok/65%/Ok	UJ
	p-Isopropyltoluene	Ok/80%/33	UJ
	Naphthalene	45%/41%/Ok	J
	Styrene	Ok/78%/Ok	UJ
	1,2,3-Trichlorobenzene	55%/44%/Ok	UJ
	1,2,4-Trichlorobenzene	57%/45%/Ok	UJ
	1,2,4-Trimethylbenzene	59%/Ok/33	UJ
	Vinyl Acetate	9%/9%/Ok	R
FC100-TMW19	Vinyl Acetate	230%/222%/Ok	J

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
VH1829-BS	1,1-Dichloroethane	143%	None	All ND
	di-Isopropylether	135%	None	All ND
	Dichlorodifluoromethane	169%	None	All ND
	cis-1,2-Dichloroethene	134%	None	All ND
VG1901-BS	Acetone	154%	None	All ND

VG1901-BS	Chloroethane	155%	None	All ND
	Carbon Tetrachloride	139%	None	All ND
	Methyl Ethyl Ketone	138%	None	All ND
VJ2455-BS	Vinyl Acetate	202%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria except the following.

Sample ID	Internal Standard	Area Count	Qualifier
FC100-SB26 (2-4')	IS4-Tertbutylalcohol-d10	Low	None - Associated compounds not reported
FC100-SB23 (2-4')	IS4-Tertbutylalcohol-d10	Low	

Method Blank - The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ug/kg	Action Level ug/kg	Qualifier	Affected Samples
VG1901-MB	Methylene Chloride	12.0	120	U	3
VF642-MB	Methylene Chloride	8.0	80	U	8, 9, 10

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
VJ2455-MB	1,2,3-Trichlorobenzene	0.35	1.75	U	11, 13

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples were analyzed at a dilution due to high concentrations of target analytes.

Raw Data: H049128.D

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB27 (2-4')		
Lab Sample ID:	F57063-1	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	90.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049128.D	1	05/01/08	SH	04/23/08 13:35	n/a	VH1829
Run #2							

	Initial Weight
Run #1	3.95 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	70	35	ug/kg	
71-43-2	Benzene	ND	7.0	1.4	ug/kg	
108-86-1	Bromobenzene	ND	7.0	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	7.0	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	1.4	ug/kg	
75-25-2	Bromoform	ND	7.0	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	7.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.0	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.0	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.0	3.6	ug/kg	
67-66-3	Chloroform	ND	7.0	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.0	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.0	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.0	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.0	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.0	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.0	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	~~ND~~ UJ	7.0	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.0	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.0	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.0	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	1.4	ug/kg	

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

5/28/08

Report of Analysis

Client Sample ID:	FC100-SB27 (2-4')		
Lab Sample ID:	F57063-1	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	90.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	1.4	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
98-82-8	Isopropylbenzene	ND	7.0	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.0	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.5	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride [a]	11.1	14	7.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.0	1.4	ug/kg	
91-20-3	Naphthalene	ND	7.0	2.8	ug/kg	
103-65-1	n-Propylbenzene	ND	7.0	1.5	ug/kg	
100-42-5	Styrene	ND	7.0	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.0	2.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.0	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.0	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.0	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.0	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	1.4	ug/kg	
108-88-3	Toluene	ND	7.0	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	7.0	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.0	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	35	7.0	ug/kg	
1330-20-7	Xylene (total)	ND	21	2.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	82%		77-123%

(a) Suspected laboratory contaminant.

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

MW 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB19 (6-8')		
Lab Sample ID:	F57063-2	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	92.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049129.D	1	05/01/08	SH	04/23/08 13:35	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.17 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	65	32	ug/kg	
71-43-2	Benzene	ND	6.5	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.5	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	1.3	ug/kg	
75-25-2	Bromoform	ND	6.5	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.5	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.5	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.5	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.4	ug/kg	
67-66-3	Chloroform	ND	6.5	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.5	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.5	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.5	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.5	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.5	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.5	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.5	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND UJ	6.5	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.5	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.5	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.5	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	1.3	ug/kg	

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

MW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB19 (6-8')		
Lab Sample ID:	F57063-2	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	92.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.5	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.5	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.5	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.5	1.4	ug/kg	
100-42-5	Styrene	ND	6.5	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.5	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.5	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.5	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	1.3	ug/kg	
108-88-3	Toluene	ND	6.5	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	82%		77-123%

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

DW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0050145.D	1	05/05/08	SH	04/23/08 14:05	n/a	VG1901
Run #2 [b]	G0050187.D	1	05/06/08	SH	04/23/08 14:05	n/a	VG1902
Run #3 [c]	G0050114.D	1	05/02/08	SH	04/23/08 14:05	n/a	VG1900
Run #4 [d]	G0050144.D	1	05/05/08	SH	04/23/08 14:05	n/a	VG1901

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	100 ul
Run #2	5.45 g	5.0 ml	10.0 ul
Run #3	4.32 g	5.0 ml	100 ul
Run #4	4.32 g	5.0 ml	100 ul

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND UJ	2800	1400	ug/kg	
71-43-2	Benzene	ND	280	55	ug/kg	
108-86-1	Bromobenzene	ND	280	55	ug/kg	
74-97-5	Bromochloromethane	ND	280	55	ug/kg	
75-27-4	Bromodichloromethane	ND	280	55	ug/kg	
75-25-2	Bromoform	ND	280	55	ug/kg	
104-51-8	n-Butylbenzene	2990 J	280	55	ug/kg	
135-98-8	sec-Butylbenzene	604 J	280	61	ug/kg	
98-06-6	tert-Butylbenzene	ND UJ	280	66	ug/kg	
108-90-7	Chlorobenzene	ND	280	55	ug/kg	
75-00-3	Chloroethane	ND	280	140	ug/kg	
67-66-3	Chloroform	ND	280	55	ug/kg	
95-49-8	o-Chlorotoluene	ND	280	66	ug/kg	
106-43-4	p-Chlorotoluene	ND	280	61	ug/kg	
56-23-5	Carbon tetrachloride	ND	280	72	ug/kg	
75-34-3	1,1-Dichloroethane	ND	280	61	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	280	55	ug/kg	
563-58-6	1,1-Dichloropropene	ND	280	55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	280	55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	280	55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	280	72	ug/kg	
142-28-9	1,3-Dichloropropane	ND	280	55	ug/kg	
108-20-3	Di-Isopropyl ether	ND	280	55	ug/kg	
594-20-7	2,2-Dichloropropane	ND	280	66	ug/kg	
124-48-1	Dibromochloromethane	ND	280	55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	280	110	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	280	55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	280	55	ug/kg	

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

LW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND UJ	280	55	ug/kg	
95-50-1	o-Dichlorobenzene	ND	280	55	ug/kg	
106-46-7	p-Dichlorobenzene	ND	280	55	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	280	55	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	280	55	ug/kg	
100-41-4	Ethylbenzene	3670 J	280	55	ug/kg	
591-78-6	2-Hexanone	ND UJ	1400	550	ug/kg	
98-82-8	Isopropylbenzene	666 J	280	55	ug/kg	
99-87-6	p-Isopropyltoluene	475 J	280	55	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	1400	550	ug/kg	
74-83-9	Methyl bromide	ND	280	99	ug/kg	
74-87-3	Methyl chloride	ND	280	110	ug/kg	
75-09-2	Methylene chloride [e]	1090 UJ	550	280	ug/kg	B
78-93-3	Methyl ethyl ketone	ND UJ	1400	550	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND UJ	280	55	ug/kg	
91-20-3	Naphthalene	5120 J	280	110	ug/kg	
103-65-1	n-Propylbenzene	5960 J	280	61	ug/kg	
100-42-5	Styrene	ND UJ	280	55	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	280	55	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	280	72	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	280	55	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	280	110	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	280	100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	280	61	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	99800 [f] J	2800	610	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	39100 [f] J	2800	550	ug/kg	
127-18-4	Tetrachloroethylene	ND UJ	280	55	ug/kg	
108-88-3	Toluene	372 J	280	55	ug/kg	
79-01-6	Trichloroethylene	ND UJ	280	55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	280	88	ug/kg	
75-01-4	Vinyl chloride	ND	280	77	ug/kg	
108-05-4	Vinyl Acetate	ND	1400	280	ug/kg	
1330-20-7	Xylene (total)	68900 [f] J	8300	1200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	97%	102%	101%	80-121%
2037-26-5	Toluene-D8	95%	91%	91%	71-130%
460-00-4	4-Bromofluorobenzene	113%	99%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	96%	101%	77-123%

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

JW
5/28/08

Report of Analysis

Client Sample ID:	FC100-SB31 (6-8')		
Lab Sample ID:	F57063-3	Date Sampled:	04/21/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	91.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.
(b) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(c) Confirmation run.
(d) Confirmation run. Results from different vials are not consistant.
(e) Suspected laboratory contaminant.
(f) Result is from Run# 2

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

JW 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB36 (2-4')		
Lab Sample ID:	F57063-4	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049133.D	1	05/01/08	SH	04/23/08 14:05	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.68 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	33.9	61	31	ug/kg	J
71-43-2	Benzene	ND	6.1	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.1	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	1.2	ug/kg	
75-25-2	Bromoform	ND	6.1	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.2	ug/kg	
67-66-3	Chloroform	ND	6.1	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.1	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.1	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.1	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	~~ND~~ UJ	6.1	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.1	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.1	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.1	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	1.2	ug/kg	

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

LW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB36 (2-4')		
Lab Sample ID:	F57063-4	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	1.2	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride [a]	10.2	12	6.1	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.1	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.1	2.4	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	1.3	ug/kg	
100-42-5	Styrene	ND	6.1	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	3.1	6.1	1.3	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	1.2	ug/kg	
108-88-3	Toluene	2.0	6.1	1.2	ug/kg	J
79-01-6	Trichloroethylene	ND	6.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	31	6.1	ug/kg	
1330-20-7	Xylene (total)	ND	18	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	83%		77-123%

(a) Suspected laboratory contaminant.

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

lw 5/28/08

Raw Data: H049134.D

5

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

3.5 3

Client Sample ID:	FC100-SB25 (2-4')		
Lab Sample ID:	F57063-5	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049134.D	1	05/01/08	SH	04/23/08 14:05	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.15 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	91.9	68	34	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.8	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.4	ug/kg	
75-25-2	Bromoform	ND	6.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.8	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.8	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.8	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	3.5	ug/kg	
67-66-3	Chloroform	ND	6.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.8	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.8	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.8	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.8	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.8	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	~~ND~~ UJ	6.8	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.8	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.8	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	

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

JW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB25 (2-4')		
Lab Sample ID:	F57063-5	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride [a]	6.9	14	6.8	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	6.8	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.8	1.5	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.8	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.8	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	1.8	6.8	1.5	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.4	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	6.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	34	6.8	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	86%		77-123%

(a) Suspected laboratory contaminant.

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

LW
5/28/08

Raw Data: H049135.D

6

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

3.6 3

Client Sample ID:	FC100-SB26 (2-4')		
Lab Sample ID:	F57063-6	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049135.D	1	05/01/08	SH	04/23/08 14:05	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.37 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	32.6	64	32	ug/kg	J
71-43-2	Benzene	ND	6.4	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.3	ug/kg	
75-25-2	Bromoform	ND	6.4	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.3	ug/kg	
67-66-3	Chloroform	ND	6.4	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.4	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND UJ	6.4	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	

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

MW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB26 (2-4')		
Lab Sample ID:	F57063-6	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	88.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride [a]	22.3	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.4	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	1.4	ug/kg	
100-42-5	Styrene	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	2.5	6.4	1.4	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.3	ug/kg	
108-88-3	Toluene	ND	6.4	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	32	6.4	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	86%		77-123%

(a) Suspected laboratory contaminant.

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

JW 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB23 (2-4')		
Lab Sample ID:	F57063-7	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049136.D	1	05/01/08	SH	04/23/08 14:05	n/a	VH1829
Run #2							

	Initial Weight
Run #1	4.62 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	63.0	62	31	ug/kg	
71-43-2	Benzene	ND	6.2	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.2	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	1.2	ug/kg	
75-25-2	Bromoform	ND	6.2	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.2	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.2	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.2	ug/kg	
67-66-3	Chloroform	ND	6.2	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.2	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.2	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.2	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.2	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.2	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.2	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.2	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	~~ND~~ UJ	6.2	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.2	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.2	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.2	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	1.2	ug/kg	

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

JW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB23 (2-4')		
Lab Sample ID:	F57063-7	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.2	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride [a]	34.9	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.2	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.2	1.4	ug/kg	
100-42-5	Styrene	ND	6.2	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	1.7	6.2	1.4	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	1.2	ug/kg	
108-88-3	Toluene	ND	6.2	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.2	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	31	6.2	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	90%		59-148%
17060-07-0	1,2-Dichloroethane-D4	83%		77-123%

(a) Suspected laboratory contaminant.

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

lw
5/28/08

Raw Data: F027907.D

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB24 (2-4')		
Lab Sample ID:	F57063-8	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	87.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027907.D	1	05/02/08	AB	04/23/08 14:05	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.48 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	32	ug/kg	
71-43-2	Benzene	ND	6.4	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.3	ug/kg	
75-25-2	Bromoform	ND	6.4	1.3	ug/kg	
104-51-8	n-Butylbenzene	~~ND~~ UJ	6.4	1.3	ug/kg	
135-98-8	sec-Butylbenzene	~~ND~~ UJ	6.4	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.3	ug/kg	
67-66-3	Chloroform	ND	6.4	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.5	ug/kg	
106-43-4	p-Chlorotoluene	~~ND~~ UJ	6.4	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.4	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	~~ND~~ UJ	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	~~ND~~ UJ	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	~~ND~~ UJ	6.4	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.3	ug/kg	

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

MW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB24 (2-4')		
Lab Sample ID:	F57063-8	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	87.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	~~ND~~ UJ	6.4	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride [a]	~~11.8~~ 13U	13	6.4	ug/kg	~~JB~~
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.3	ug/kg	
91-20-3	Naphthalene	3.3 J	6.4	2.6	ug/kg	J
103-65-1	n-Propylbenzene	ND	6.4	1.4	ug/kg	
100-42-5	Styrene	~~ND~~ UJ	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	~~ND~~ UJ	6.4	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	~~ND~~ UJ	6.4	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	~~ND~~ UJ	6.4	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.3	ug/kg	
108-88-3	Toluene	2.1	6.4	1.3	ug/kg	J
79-01-6	Trichloroethylene	ND	6.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	1.8	ug/kg	
108-05-4	Vinyl Acetate	~~ND~~ R	32	6.4	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	106%		71-130%
460-00-4	4-Bromofluorobenzene	115%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

(a) Suspected laboratory contaminant.

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

5/28/08

Report of Analysis

Client Sample ID:	FC100-SB35 (2-4')		
Lab Sample ID:	F57063-9	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	82.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027908.D	1	05/02/08	AB	04/23/08 14:05	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.59 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	33	ug/kg	
71-43-2	Benzene	ND	6.6	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.6	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.6	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	1.3	ug/kg	
75-25-2	Bromoform	ND	6.6	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.6	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.6	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.6	3.4	ug/kg	
67-66-3	Chloroform	ND	6.6	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.6	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.6	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.6	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.6	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.6	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.6	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.6	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.6	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.6	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.6	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	

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

JW 5/28/08

Report of Analysis

3.6 3

Client Sample ID:	FC100-SB35 (2-4')		
Lab Sample ID:	F57063-9	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	82.7
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.6	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride [a]	17.6	13	6.6	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.6	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.6	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.6	1.4	ug/kg	
100-42-5	Styrene	ND	6.6	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.6	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.6	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.6	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	1.3	ug/kg	
108-88-3	Toluene	ND	6.6	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Suspected laboratory contaminant.

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

JW 5/28/08

Raw Data: F027909.D

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Accutest LabLink@76629 09:36 19-May-2008

3.10

3

Report of Analysis

Client Sample ID:	FC100-SB22 (2-4')		
Lab Sample ID:	F57063-10	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	85.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027909.D	1	05/02/08	AB	04/23/08 14:05	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.49 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	44.6	65	33	ug/kg	J
71-43-2	Benzene	ND	6.5	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.5	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	1.3	ug/kg	
75-25-2	Bromoform	ND	6.5	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.5	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.5	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.5	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.4	ug/kg	
67-66-3	Chloroform	ND	6.5	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.5	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.5	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.5	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.5	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.5	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.5	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.5	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.5	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.5	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.5	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	1.3	ug/kg	

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

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5/28/08

Report of Analysis

Client Sample ID:	FC100-SB22 (2-4')		
Lab Sample ID:	F57063-10	Date Sampled:	04/22/08
Matrix:	SO - Soil	Date Received:	04/23/08
Method:	SW846 8260B SW846 5035	Percent Solids:	85.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.5	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride [a]	~~10.5~~ 13U	13	6.5	ug/kg	~~JB~~
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.5	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.5	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.5	1.4	ug/kg	
100-42-5	Styrene	ND	6.5	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.5	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.5	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.5	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	1.3	ug/kg	
108-88-3	Toluene	ND	6.5	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.5	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	109%		71-130%
460-00-4	4-Bromofluorobenzene	123%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) Suspected laboratory contaminant.

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

MW
5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW26		
Lab Sample ID:	F57063-11	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J038068.D	1	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ R	25	10	ug/l	
71-43-2	Benzene	0.38	1.0	0.20	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

JW 5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW26		
Lab Sample ID:	F57063-11	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	0.69	2.0	0.44	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	~~0.43~~ 1.0U	1.0	0.28	ug/l	~~JB~~
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.33	1.0	0.22	ug/l	J
95-63-6	1,2,4-Trimethylbenzene	1.0	2.0	0.20	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.69	2.0	0.20	ug/l	J
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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	0.88	3.0	0.56	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	95%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	111%		84-120%

(a) Sample was treated with an anti-foaming agent.

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

LW 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW24		
Lab Sample ID:	F57063-12	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J038069.D	1	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND R	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

JRW 5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW24		
Lab Sample ID:	F57063-12	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	95%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	111%		84-120%

(a) Sample was treated with an anti-foaming agent.

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

MW 5/28/08

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW23		
Lab Sample ID:	F57063-13	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J038070.D	1	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ R	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	0.40	1.0	0.33	ug/l	J
135-98-8	sec-Butylbenzene	0.52	1.0	0.23	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

QW
5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW23		
Lab Sample ID:	F57063-13	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	0.42	1.0	0.21	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	7.5	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	0.48	1.0	0.20	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.29 1.0U	1.0	0.28	ug/l	~~JB~~
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.68	2.0	0.20	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	1.6	3.0	0.56	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	96%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Sample was treated with an anti-foaming agent.

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

MW 5/28/08

Raw Data: J038080.D

14

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

3.14 3

Client Sample ID:	FC100-TMW31		
Lab Sample ID:	F57063-14	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J038080.D	200	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND R	5000	2000	ug/l	
71-43-2	Benzene	241	200	40	ug/l	
108-86-1	Bromobenzene	ND	200	42	ug/l	
74-97-5	Bromochloromethane	ND	200	56	ug/l	
75-27-4	Bromodichloromethane	ND	200	58	ug/l	
75-25-2	Bromoform	ND	200	56	ug/l	
104-51-8	n-Butylbenzene	ND	200	66	ug/l	
135-98-8	sec-Butylbenzene	ND	200	46	ug/l	
98-06-6	tert-Butylbenzene	ND	200	66	ug/l	
108-90-7	Chlorobenzene	ND	200	40	ug/l	
75-00-3	Chloroethane	ND	400	92	ug/l	
67-66-3	Chloroform	ND	200	42	ug/l	
95-49-8	o-Chlorotoluene	ND	200	64	ug/l	
106-43-4	p-Chlorotoluene	ND	200	40	ug/l	
56-23-5	Carbon tetrachloride	ND	200	58	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	46	ug/l	
563-58-6	1,1-Dichloropropene	ND	200	44	ug/l	
106-93-4	1,2-Dibromoethane	ND	200	40	ug/l	
107-06-2	1,2-Dichloroethane	ND	200	40	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	50	ug/l	
142-28-9	1,3-Dichloropropane	ND	200	40	ug/l	
108-20-3	Di-Isopropyl ether	ND	200	40	ug/l	
594-20-7	2,2-Dichloropropane	ND	200	60	ug/l	
124-48-1	Dibromochloromethane	ND	200	40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	400	200	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	200	56	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	48	ug/l	
541-73-1	m-Dichlorobenzene	ND	200	46	ug/l	
95-50-1	o-Dichlorobenzene	ND	200	40	ug/l	
106-46-7	p-Dichlorobenzene	ND	200	44	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	200	40	ug/l	

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

lw 5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW31		
Lab Sample ID:	F57063-14	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	200	42	ug/l	
100-41-4	Ethylbenzene	2220	200	40	ug/l	
591-78-6	2-Hexanone	ND	2000	570	ug/l	
98-82-8	Isopropylbenzene	46.5	200	42	ug/l	J
99-87-6	p-Isopropyltoluene	ND	200	44	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	440	ug/l	
74-83-9	Methyl bromide	ND	400	110	ug/l	
74-87-3	Methyl chloride	ND	400	76	ug/l	
75-09-2	Methylene chloride [a]	253	1000	200	ug/l	J
78-93-3	Methyl ethyl ketone	ND	1000	400	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	200	50	ug/l	
91-20-3	Naphthalene	ND	400	88	ug/l	
103-65-1	n-Propylbenzene	226	200	40	ug/l	
100-42-5	Styrene	ND	200	40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	74	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	60	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	200	56	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	400	100	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	200	44	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1790	400	40	ug/l	
108-67-8	1,3,5-Trimethylbenzene	625	400	40	ug/l	
127-18-4	Tetrachloroethylene	ND	200	50	ug/l	
108-88-3	Toluene	14600	200	54	ug/l	
79-01-6	Trichloroethylene	ND	200	76	ug/l	
75-69-4	Trichlorofluoromethane	ND	400	86	ug/l	
75-01-4	Vinyl chloride	ND	200	68	ug/l	
108-05-4	Vinyl Acetate	ND	2000	400	ug/l	
1330-20-7	Xylene (total)	12100	600	110	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

(a) Suspected laboratory contaminant.

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

JW 5/28/08

Raw Data: J038065.D

15

Accutest LabLink@76629 09:36 19-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW19		
Lab Sample ID:	F57063-15	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J038065.D	20	05/06/08	JG	n/a	n/a	VJ2455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ R	500	200	ug/l	
71-43-2	Benzene	56.5	20	4.0	ug/l	
108-86-1	Bromobenzene	ND	20	4.2	ug/l	
74-97-5	Bromochloromethane	ND	20	5.6	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.8	ug/l	
75-25-2	Bromoform	ND	20	5.6	ug/l	
104-51-8	n-Butylbenzene	ND	20	6.6	ug/l	
135-98-8	sec-Butylbenzene	ND	20	4.6	ug/l	
98-06-6	tert-Butylbenzene	ND	20	6.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.0	ug/l	
75-00-3	Chloroethane	ND	40	9.2	ug/l	
67-66-3	Chloroform	ND	20	4.2	ug/l	
95-49-8	o-Chlorotoluene	ND	20	6.4	ug/l	
106-43-4	p-Chlorotoluene	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	4.6	ug/l	
563-58-6	1,1-Dichloropropene	ND	20	4.4	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	4.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	4.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	20	4.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	20	4.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	20	6.0	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	5.6	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.8	ug/l	
541-73-1	m-Dichlorobenzene	ND	20	4.6	ug/l	
95-50-1	o-Dichlorobenzene	ND	20	4.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	20	4.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	4.0	ug/l	

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

JW 5/28/08

Report of Analysis

Client Sample ID:	FC100-TMW19		
Lab Sample ID:	F57063-15	Date Sampled:	04/22/08
Matrix:	AQ - Ground Water	Date Received:	04/23/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	337	20	4.0	ug/l	
591-78-6	2-Hexanone	ND	200	57	ug/l	
98-82-8	Isopropylbenzene	ND	20	4.2	ug/l	
99-87-6	p-Isopropyltoluene	ND	20	4.4	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	44	ug/l	
74-83-9	Methyl bromide	ND	40	11	ug/l	
74-87-3	Methyl chloride	ND	40	7.6	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	5.0	ug/l	
91-20-3	Naphthalene	24.7	40	8.8	ug/l	J
103-65-1	n-Propylbenzene	14.9	20	4.0	ug/l	J
100-42-5	Styrene	ND	20	4.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	7.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	6.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	5.6	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	40	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	4.4	ug/l	
95-63-6	1,2,4-Trimethylbenzene	249	40	4.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	67.6	40	4.0	ug/l	
127-18-4	Tetrachloroethylene	ND	20	5.0	ug/l	
108-88-3	Toluene	1040	20	5.4	ug/l	
79-01-6	Trichloroethylene	ND	20	7.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	8.6	ug/l	
75-01-4	Vinyl chloride	ND	20	6.8	ug/l	
108-05-4	Vinyl Acetate	ND	200	40	ug/l	
1330-20-7	Xylene (total)	1480	60	11	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	95%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

MW 5/28/08

ENVIRONMENTAL
Data Services, Inc.

DIESEL RANGE ORGANICS
USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57101

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 28, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB07 (4-6')	F57101-1	Soil
1MS	FC100-SB07 (4-6')MS	F57101-1MS	Soil
1MSD	FC100-SB07 (4-6')MSD	F57101-1MSD	Soil
2	FC100-SB08 (4-6')	F57101-2	Soil
3	FC100-SB09 (2-4')	F57101-3	Soil
4	FC100-SB10 (2-4')	F57101-4	Soil
5	FC100-SB12 (2-4')	F57101-5	Soil
6	FC100-SB13 (2-4')	F57101-6	Soil
7	FC100-SB16 (6-8')	F57101-7	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 14 days for soil samples and analyzed within 40 days.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and/or correlation coefficient values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

Raw Data: LL21805.D

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21805.D	1	05/01/08	NY	04/28/08	OP24901	GLL808
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.9	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.9	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

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

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

lew 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21808.D	1	05/01/08	NY	04/28/08	OP24901	GLL808
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.9	5.3	mg/kg	
	TPH (>C28-C40)	ND	8.9	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

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

lw 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21847.D	1	05/02/08	NY	04/28/08	OP24901	GLL809
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.6	5.8	mg/kg	
	TPH (>C28-C40)	5.89	9.6	5.8	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		49-108%

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

MW 5/28/08

Raw Data: LL21848.D

4

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

3.4 3

Client Sample ID:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21848.D	1	05/02/08	NY	04/28/08	OP24901	GLL809
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.1	mg/kg	
	TPH (> C28-C40)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

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

lw 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21813.D	1	05/01/08	NY	04/28/08	OP24901	GLL808
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.5	5.7	mg/kg	
	TPH (> C28-C40)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

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

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

JEW 5/28/08

Raw Data: LL21913.D

6

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

3.6 3

Client Sample ID:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21913.D	1	05/07/08	NY	04/29/08	OP24919	GLL812
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	7.74	9.2	5.5	mg/kg	J
	TPH (>C28-C40)	19.8	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

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

JW 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21887.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	11	6.5	mg/kg	
	TPH (>C28-C40)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		49-108%

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

lw 5/28/08

ENVIRONMENTAL
Data Services, Inc.

GASOLINE RANGE ORGANICS
USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57101

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 28, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB07 (4-6')	F57101-1	Soil
2	FC100-SB08 (4-6')	F57101-2	Soil
3	FC100-SB09 (2-4')	F57101-3	Soil
4	FC100-SB10 (2-4')	F57101-4	Soil
5	FC100-SB12 (2-4')	F57101-5	Soil
6	FC100-SB13 (2-4')	F57101-6	Soil
7	FC100-SB16 (6-8')	F57101-7	Soil
7MS	FC100-SB16 (6-8')MS	F57101-7MS	Soil
7MSD	FC100-SB16 (6-8')MSD	F57101-7MSD	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for soil samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and/or correlation coefficient values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 SW846 5035	Percent Solids:	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041060.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.03 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

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

MW 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 SW846 5035	Percent Solids:	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041061.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.04 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

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

lw 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 SW846 5035	Percent Solids:	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041062.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.42 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

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

JW 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 SW846 5035	Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041063.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.31 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

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

lw 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 SW846 5035	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041064.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.52 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

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

JW 5/28/08

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Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 SW846 5035	Percent Solids:	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041065.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

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

5/28/08

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Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8015 SW846 5035	Percent Solids:	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041066.D	1	04/25/08	MM	04/24/08 12:25	n/a	GQR1760
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.82 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	11	5.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

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

JW 5/28/08

ENVIRONMENTAL
Data Services, Inc.

TAL METALS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57101

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 28, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB07 (4-6')	F57101-1	Soil
1MS	FC100-SB07 (4-6')MS	F57101-1MS	Soil
1MSD	FC100-SB07 (4-6')MSD	F57101-1MSD	Soil
2	FC100-SB08 (4-6')	F57101-2	Soil
3	FC100-SB09 (2-4')	F57101-3	Soil
4	FC100-SB10 (2-4')	F57101-4	Soil
5	FC100-SB12 (2-4')	F57101-5	Soil
6	FC100-SB13 (2-4')	F57101-6	Soil
7	FC100-SB16 (6-8')	F57101-7	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within 28 days for mercury and 180 days for all other metals.

Calibration - The ICV and CCV %R values were acceptable.

CRDL Standard - The CRDL standards exhibited acceptable %R values.

Method and Calibration Blanks - The method blanks and continuing calibration blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

ICP Interference Check Sample - All %R values were acceptable.

Matrix Spike/Duplicate - The matrix spike/duplicate samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	%R	Qualifier	Affected Samples
FC100-SB07 (4-6')	Antimony	68.1%/67.4%	J/UJ	All Samples
	Potassium	78.6%/Ok	J/UJ	All Samples

LCS - The LCS samples exhibited acceptable %R values.

ICP Serial Dilution - The ICP serial dilution sample exhibited acceptable %D values.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Quantitation - No discrepancies were identified.

Report of Analysis

Client Sample ID:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
		Percent Solids:	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1360	10	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	<3.1 UJ	3.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	<0.41	0.41	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	<10	10	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	<0.25	0.25	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	<0.20	0.20	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	<250	250	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.3	0.51	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	<2.5	2.5	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	<1.3	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	400	5.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	<5.1	5.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	<250	250	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.2	0.76	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	<0.086	0.086	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	<2.0	2.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	<510 UJ	510	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	<5.1	5.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	<0.51	0.51	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	<510	510	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	<1.0	1.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	<2.5	2.5	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.2	1.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

lw 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
		Percent Solids:	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1450	10	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	<3.1 UJ	3.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	<0.42	0.42	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	<10	10	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	<0.26	0.26	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	<0.21	0.21	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	<260	260	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.7	0.52	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	<2.6	2.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	<1.3	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	568	5.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	<5.2	5.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	<260	260	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.6	0.78	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	<0.091	0.091	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	<2.1	2.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	<520 UJ	520	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	<5.2	5.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	<0.52	0.52	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	<520	520	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium	<0.52	0.52	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	<2.6	2.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.1	1.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

RL = Reporting Limit

AW
5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
		Percent Solids:	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1570	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.3 UJ	3.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.45	0.45	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.28	0.28	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.22	0.22	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	394	280	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.6	0.56	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.8	2.8	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.4	1.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	560	5.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.6	5.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 280	280	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.2	0.84	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.091	0.091	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.2	2.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 560 UJ	560	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.6	5.6	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 560	560	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.8	2.8	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	1.3	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

MW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
		Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11700	12	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	<3.5 UJ	3.5	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	0.65	0.47	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	20.6	12	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	<0.29	0.29	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	<0.24	0.24	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	647	290	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	10.9	0.59	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	<2.9	2.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	<1.5	1.5	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	3050	5.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	<5.9	5.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	345	290	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	5.2	0.88	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	<0.095	0.095	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	2.4	2.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	<590 UJ	590	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	<5.9	5.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	<0.59	0.59	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	<590	590	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	<1.2	1.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	14.6	2.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	4.9	1.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

RW
5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
		Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1600	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.4 UJ	3.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.46	0.46	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.29	0.29	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.23	0.23	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	350	290	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.7	0.57	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.9	2.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	< 1.4	1.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	441	5.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.7	5.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 290	290	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	1.6	0.86	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.095	0.095	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.3	2.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 570 UJ	570	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.7	5.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.57	0.57	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 570	570	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.9	2.9	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	2.1	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

MW 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
		Percent Solids:	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1050	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 3.2 UJ	3.2	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 0.43	0.43	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	< 11	11	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.27	0.27	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.21	0.21	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	11300	270	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.3	0.54	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 2.7	2.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	1.6	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	464	5.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	< 5.4	5.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	< 270	270	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	2.9	0.81	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.091	0.091	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 540 UJ	540	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 5.4	5.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 540	540	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	< 2.7	2.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	8.7	1.1	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

lw 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
		Percent Solids:	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3070	13	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Antimony	<4.0 UJ	4.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Arsenic	<0.54	0.54	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Barium	<13	13	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Beryllium	<0.34	0.34	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cadmium	<0.27	0.27	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Calcium	<340	340	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Chromium	3.8	0.67	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Cobalt	<3.4	3.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Copper	<1.7	1.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Iron	1330	6.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Lead	<6.7	6.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Magnesium	<340	340	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Manganese	23.9	1.0	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Mercury	<0.11	0.11	mg/kg	1	04/25/08	04/25/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	<2.7	2.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Potassium	<670 UJ	670	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Selenium	<6.7	6.7	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Silver	<0.67	0.67	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Sodium	<670	670	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Thallium [a]	<1.3	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Vanadium	5.7	3.4	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]
Zinc	3.1	1.3	mg/kg	1	04/25/08	04/25/08	RS	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA6418
(2) Instrument QC Batch: MA6422
(3) Prep QC Batch: MP14274
(4) Prep QC Batch: MP14275

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

RL = Reporting Limit

MW 5/28/08

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57101

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 28, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB07 (4-6')	F57101-1	Soil
2	FC100-SB08 (4-6')	F57101-2	Soil
3	FC100-SB09 (2-4')	F57101-3	Soil
4	FC100-SB10 (2-4')	F57101-4	Soil
5	FC100-SB12 (2-4')	F57101-5	Soil
6	FC100-SB13 (2-4')	F57101-6	Soil
7	FC100-SB16 (6-8')	F57101-7	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for soil samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria except the following.

Sample ID	Internal Standard	Area Count	Qualifier
FC100-SB12 (2-4')	IS1-Fluorobenzene	Low	UJ - Associated Compounds

Method Blank - The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ug/kg	Action Level ug/kg	Qualifier	Affected Samples
VF644-MB	2-Hexanone	24.2	121	None	Sample ND
	4-Methyl-2-pentanone	10.4	52	None	Sample ND
	Methylene Chloride	9.6	96	U	1
	Naphthalene	3.2	16	None	Sample ND
VF642-MB	Methylene Chloride	8.0	80	U	2-5
VG1902-MB	Methylene Chloride	9.5	95	U	6, 7

Trip, Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027967.D	1	05/06/08	AB	04/24/08 12:25	n/a	VF644
Run #2							

	Initial Weight
Run #1	4.01 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	67	33	ug/kg	
71-43-2	Benzene	ND	6.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.7	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.7	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	1.3	ug/kg	
75-25-2	Bromoform	ND	6.7	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.7	3.5	ug/kg	
67-66-3	Chloroform	ND	6.7	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.7	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.7	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.7	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.7	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.7	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.7	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.7	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.7	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.7	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.7	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	1.3	ug/kg	

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

MW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB07 (4-6')		
Lab Sample ID:	F57101-1	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	93.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
75-09-2	Methylene chloride [a]	38.2	13	6.7	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.7	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	1.5	ug/kg	
100-42-5	Styrene	ND	6.7	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.7	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.7	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	1.3	ug/kg	
108-88-3	Toluene	ND	6.7	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.7	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.7	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	103%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Suspected laboratory contaminant.

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

5/28/08

Report of Analysis

Client Sample ID:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027916.D	1	05/02/08	AB	04/24/08 12:25	n/a	VF642
Run #2							

	Initial Weight
Run #1	3.73 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	73	37	ug/kg	
71-43-2	Benzene	ND	7.3	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.3	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.3	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.3	1.5	ug/kg	
75-25-2	Bromoform	ND	7.3	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.3	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.3	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.3	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.3	3.8	ug/kg	
67-66-3	Chloroform	ND	7.3	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.3	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.3	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.3	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.3	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.3	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.3	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.3	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.3	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.3	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.3	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.3	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.3	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.3	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.3	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.3	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.3	1.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.3	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.3	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.3	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.3	1.5	ug/kg	

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

LW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB08 (4-6')		
Lab Sample ID:	F57101-2	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	91.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.3	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.3	1.5	ug/kg	
591-78-6	2-Hexanone	ND	37	15	ug/kg	
98-82-8	Isopropylbenzene	ND	7.3	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.3	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	37	15	ug/kg	
74-83-9	Methyl bromide	ND	7.3	2.6	ug/kg	
74-87-3	Methyl chloride	ND	7.3	2.9	ug/kg	
75-09-2	Methylene chloride [a]	38.3 U	15	7.3	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	37	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.3	1.5	ug/kg	
91-20-3	Naphthalene	ND	7.3	2.9	ug/kg	
103-65-1	n-Propylbenzene	ND	7.3	1.6	ug/kg	
100-42-5	Styrene	ND	7.3	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.3	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.3	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	2.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.3	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.3	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.3	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.3	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.3	1.5	ug/kg	
108-88-3	Toluene	ND	7.3	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.3	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	7.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	37	7.3	ug/kg	
1330-20-7	Xylene (total)	ND	22	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	118%		77-123%

(a) Suspected laboratory contaminant.

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

5/28/08

Report of Analysis

Client Sample ID:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027917.D	1	05/02/08	AB	04/24/08 12:25	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.33 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	67	33	ug/kg	
71-43-2	Benzene	ND	6.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.7	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.7	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	1.3	ug/kg	
75-25-2	Bromoform	ND	6.7	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.7	3.5	ug/kg	
67-66-3	Chloroform	ND	6.7	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.7	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.7	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.7	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.7	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.7	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.7	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.7	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.7	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.7	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.7	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	1.3	ug/kg	

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

MW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB09 (2-4')		
Lab Sample ID:	F57101-3	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	86.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
75-09-2	Methylene chloride [a]	26.1 u	13	6.7	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.7	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	1.5	ug/kg	
100-42-5	Styrene	ND	6.7	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.7	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.7	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	1.3	ug/kg	
108-88-3	Toluene	ND	6.7	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.7	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.7	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	106%		59-148%
17060-07-0	1,2-Dichloroethane-D4	119%		77-123%

(a) Suspected laboratory contaminant.

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

lw 5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027918.D	1	05/02/08	AB	04/24/08 12:25	n/a	VF642
Run #2							

	Initial Weight
Run #1	5.25 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	29	ug/kg	
71-43-2	Benzene	ND	5.9	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.2	ug/kg	
75-25-2	Bromoform	ND	5.9	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.1	ug/kg	
67-66-3	Chloroform	ND	5.9	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.9	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	

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

lw 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB10 (2-4')		
Lab Sample ID:	F57101-4	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
75-09-2	Methylene chloride [a]	19.9 U	12	5.9	ug/kg	~~B~~
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.2	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.3	ug/kg	
100-42-5	Styrene	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.2	ug/kg	
108-88-3	Toluene	1.8	5.9	1.2	ug/kg	J
79-01-6	Trichloroethylene	ND	5.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	1.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	29	5.9	ug/kg	
1330-20-7	Xylene (total)	ND	18	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	119%		77-123%

(a) Suspected laboratory contaminant.

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

MW
5/28/08

Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F027919.D	1	05/02/08	AB	04/24/08 12:25	n/a	VF642
Run #2							

	Initial Weight
Run #1	4.50 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND UJ	63	32	ug/kg	
71-43-2	Benzene	ND UJ	6.3	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.3	ug/kg	
74-97-5	Bromochloromethane	ND UJ	6.3	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND UJ	6.3	1.3	ug/kg	
75-25-2	Bromoform	ND	6.3	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND UJ	6.3	3.3	ug/kg	
67-66-3	Chloroform	ND UJ	6.3	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND UJ	6.3	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND UJ	6.3	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND UJ	6.3	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND UJ	6.3	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND UJ	6.3	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND UJ	6.3	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND UJ	6.3	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND UJ	6.3	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND UJ	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND UJ	6.3	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND UJ	6.3	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND UJ	6.3	1.3	ug/kg	

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

JW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB12 (2-4')		
Lab Sample ID:	F57101-5	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	87.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
75-09-2	Methylene chloride [a]	26.6 UJ	13	6.3	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND UJ	6.3	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.4	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND UJ	6.3	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.3	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	ND UJ	6.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND UJ	6.3	2.0	ug/kg	
75-01-4	Vinyl chloride	ND UJ	6.3	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND UJ	32	6.3	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	122%		77-123%

(a) Suspected laboratory contaminant.

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

MW 5/28/08

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Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0050188.D	1	05/06/08	SH	04/24/08 12:25	n/a	VG1902
Run #2							

	Initial Weight
Run #1	4.19 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	33	ug/kg	
71-43-2	Benzene	ND	6.6	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.6	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.6	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	1.3	ug/kg	
75-25-2	Bromoform	ND	6.6	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.6	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.6	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.6	3.4	ug/kg	
67-66-3	Chloroform	ND	6.6	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.6	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.6	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.6	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.6	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.6	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.6	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.6	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.6	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.6	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.6	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	

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

lw 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB13 (2-4')		
Lab Sample ID:	F57101-6	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	90.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.6	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride [a]	16.2 u	13	6.6	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.6	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.6	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.6	1.5	ug/kg	
100-42-5	Styrene	ND	6.6	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.6	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.6	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.6	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	1.3	ug/kg	
108-88-3	Toluene	ND	6.6	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

lw
5/28/08

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Accutest LabLink@76627 09:00 19-May-2008

Report of Analysis

Client Sample ID:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0050189.D	1	05/06/08	SH	04/24/08 12:25	n/a	VG1902
Run #2							

	Initial Weight
Run #1	3.99 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	84	42	ug/kg	
71-43-2	Benzene	ND	8.4	1.7	ug/kg	
108-86-1	Bromobenzene	ND	8.4	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	8.4	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	8.4	1.7	ug/kg	
75-25-2	Bromoform	ND	8.4	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	8.4	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	8.4	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	8.4	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	8.4	1.7	ug/kg	
75-00-3	Chloroethane	ND	8.4	4.4	ug/kg	
67-66-3	Chloroform	ND	8.4	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	8.4	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	8.4	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	8.4	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.4	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	8.4	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	8.4	1.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	8.4	1.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8.4	1.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.4	2.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	8.4	1.7	ug/kg	
108-20-3	Di-Isopropyl ether	ND	8.4	1.7	ug/kg	
594-20-7	2,2-Dichloropropane	ND	8.4	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	8.4	1.7	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	8.4	3.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	8.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.4	1.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	8.4	1.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	8.4	1.7	ug/kg	
106-46-7	p-Dichlorobenzene	ND	8.4	1.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	8.4	1.7	ug/kg	

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

JLW 5/28/08

Report of Analysis

Client Sample ID:	FC100-SB16 (6-8')		
Lab Sample ID:	F57101-7	Date Sampled:	04/23/08
Matrix:	SO - Soil	Date Received:	04/24/08
Method:	SW846 8260B SW846 5035	Percent Solids:	74.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	8.4	1.7	ug/kg	
100-41-4	Ethylbenzene	ND	8.4	1.7	ug/kg	
591-78-6	2-Hexanone	ND	42	17	ug/kg	
98-82-8	Isopropylbenzene	ND	8.4	1.7	ug/kg	
99-87-6	p-Isopropyltoluene	ND	8.4	1.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	42	17	ug/kg	
74-83-9	Methyl bromide	ND	8.4	3.0	ug/kg	
74-87-3	Methyl chloride	ND	8.4	3.4	ug/kg	
75-09-2	Methylene chloride [a]	~~15.9~~ 17U	17	8.4	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	42	17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8.4	1.7	ug/kg	
91-20-3	Naphthalene	ND	8.4	3.4	ug/kg	
103-65-1	n-Propylbenzene	ND	8.4	1.9	ug/kg	
100-42-5	Styrene	ND	8.4	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.4	1.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.4	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.4	1.7	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	8.4	3.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	8.4	3.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8.4	1.9	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	8.4	1.9	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	8.4	1.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	8.4	1.7	ug/kg	
108-88-3	Toluene	ND	8.4	1.7	ug/kg	
79-01-6	Trichloroethylene	ND	8.4	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.4	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	8.4	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	42	8.4	ug/kg	
1330-20-7	Xylene (total)	ND	25	3.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

(a) Suspected laboratory contaminant.

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

JW
5/26/08

ENVIRONMENTAL
Data Services, Inc.

DIESEL RANGE ORGANICS
USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57136

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 29, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB01 (2-4')	F57136-1	Soil
2	FC100-SB02 (2-4')	F57136-2	Soil
2MS	FC100-SB02 (2-4')MS	F57136-2MS	Soil
2MSD	FC100-SB02 (2-4')MSD	F57136-2MSD	Soil
3	FC100-SB03 (2-4')	F57136-3	Soil
4	FC100-SB04 (4-6')	F57136-4	Soil
5	FC100-SB05 (2-4')	F57136-5	Soil
6	FC100-SB06 (2-4')	F57136-6	Soil
7	FC100-SB11 (2-4')	F57136-7	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 14 days for soil samples and analyzed within 40 days.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and/or correlation coefficient values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

Raw Data: LL21888.D

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21888.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.1	mg/kg	
	TPH (>C28-C40)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		49-108%

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

lw
5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21889.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.7	5.2	mg/kg	
	TPH (>C28-C40)	ND	8.7	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		49-108%

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

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21894.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	6.13	10	6.0	mg/kg	J
	TPH (>C28-C40)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		49-108%

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

5/29/08

Raw Data: LL21914.D

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Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

3.4 3

Client Sample ID:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21914.D	1	05/07/08	NY	04/29/08	OP24919	GLL812
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.2	5.5	mg/kg	
	TPH (>C28-C40)	5.65	9.2	5.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

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

MW 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21896.D	1	05/06/08	NY	04/29/08	OP24919	GLL811
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	6.0	mg/kg	
	TPH (>C28-C40)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

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

5/29/08

Raw Data: LL21915.D

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Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21915.D	1	05/07/08	NY	04/29/08	OP24919	GLL812
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	24.6	8.9	5.3	mg/kg	
	TPH (>C28-C40)	7.85	8.9	5.3	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

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

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

JW 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 M SW846 3550B	Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL21916.D	1	05/07/08	NY	04/29/08	OP24919	GLL812
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	9.2	5.5	mg/kg	
	TPH (>C28-C40)	8.41	9.2	5.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

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

LW 5/29/08

ENVIRONMENTAL
Data Services, Inc.

GASOLINE RANGE ORGANICS
USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57136

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 29, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB01 (2-4')	F57136-1	Soil
2	FC100-SB02 (2-4')	F57136-2	Soil
3	FC100-SB03 (2-4')	F57136-3	Soil
4	FC100-SB04 (4-6')	F57136-4	Soil
5	FC100-SB05 (2-4')	F57136-5	Soil
6	FC100-SB06 (2-4')	F57136-6	Soil
7	FC100-SB11 (2-4')	F57136-7	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for soil samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and/or correlation coefficient values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

Raw Data: QR041199.D

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 SW846 5035	Percent Solids:	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041199.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.7	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

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

lcw 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 SW846 5035	Percent Solids:	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041200.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.96 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.9	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		56-136%
98-08-8	aaa-Trifluorotoluene	89%		61-121%

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

lw 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 SW846 5035	Percent Solids:	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041201.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.87 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.2	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		56-136%
98-08-8	aaa-Trifluorotoluene	88%		61-121%

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

MW 5/29/08

Raw Data: QR041202.D

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Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

3.4
3

Client Sample ID:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 SW846 5035	Percent Solids:	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041202.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.11 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

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

lw 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 SW846 5035	Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041203.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.48 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.1	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

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

JW 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 SW846 5035	Percent Solids:	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041204.D	1	04/30/08	MM	04/25/08 14:57	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.20 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

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

LW 5/29/08

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Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8015 SW846 5035	Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR041205.D	1	04/30/08	MM	04/25/08 15:37	n/a	GQR1765
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.33 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

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

MW 5/29/08

ENVIRONMENTAL
Data Services, Inc.

TAL METALS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57136

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 29, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB01 (2-4')	F57136-1	Soil
2	FC100-SB02 (2-4')	F57136-2	Soil
3	FC100-SB03 (2-4')	F57136-3	Soil
4	FC100-SB04 (4-6')	F57136-4	Soil
5	FC100-SB05 (2-4')	F57136-5	Soil
6	FC100-SB06 (2-4')	F57136-6	Soil
7	FC100-SB11 (2-4')	F57136-7	Soil
7MS	FC100-SB11 (2-4')MS	F57136-7MS	Soil
7MSD	FC100-SB11 (2-4')MSD	F57136-7MSD	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within 28 days for mercury and 180 days for all other metals.

Calibration - The ICV and CCV %R values were acceptable.

CRDL Standard - The CRDL standards exhibited acceptable %R values.

Method and Calibration Blanks - The method blanks and continuing calibration blanks were free of contamination.

Field and Equipment Blank - Field QC samples were not analyzed.

ICP Interference Check Sample - All %R values were acceptable.

Matrix Spike/Duplicate - The matrix spike/duplicate samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	%R	Qualifier	Affected Samples
FC100-SB11 (2-4')	Antimony	50.9%/49.7%	J/UJ	All Samples
	Aluminum	Ok/134.7%	J	All Samples

LCS - The LCS samples exhibited acceptable %R values.

ICP Serial Dilution - The ICP serial dilution sample exhibited acceptable %D values.

Field Duplicates - Field duplicate samples were not analyzed.

Compound Quantitation - No discrepancies were identified.

Report of Analysis

Client Sample ID:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
		Percent Solids:	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10100 J	12	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.5 UJ	3.5	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	1.0	0.47	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	19.3	12	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.29	0.29	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.23	0.23	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	884	290	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	13.5	0.58	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.9	2.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.5	1.5	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	3660	5.8	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.8	5.8	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	332	290	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	4.3	0.87	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.10	0.10	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.3	2.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 580	580	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.8	5.8	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.58	0.58	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 580	580	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.2	1.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	17.6	2.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	3.9	1.2	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
		Percent Solids:	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	805 J	10	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.1 UJ	3.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	< 0.42	0.42	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 10	10	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.26	0.26	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.21	0.21	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	< 260	260	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	1.2	0.52	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.6	2.6	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.3	1.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	295	5.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.2	5.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 260	260	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	4.7	0.78	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.081	0.081	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 520	520	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.2	5.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.52	0.52	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 520	520	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 2.1	2.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	< 2.6	2.6	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	< 1.0	1.0	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
		Percent Solids:	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7460 J	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	<3.4 UJ	3.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	3.3	0.46	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	<11	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	<0.29	0.29	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	<0.23	0.23	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	<290	290	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	12.2	0.57	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	<2.9	2.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	1.9	1.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	6320	5.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	<5.7	5.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	351	290	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	5.8	0.86	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	<0.094	0.094	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	<2.3	2.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	<570	570	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	<5.7	5.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	<0.57	0.57	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	<570	570	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	<1.1	1.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	16.8	2.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	4.5	1.1	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
		Percent Solids:	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2720 J	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.2 UJ	3.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	< 0.43	0.43	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 11	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.27	0.27	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.21	0.21	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	593	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	2.6	0.53	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.7	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.3	1.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	1180	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.3	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 270	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	5.4	0.80	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.093	0.093	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 530	530	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.3	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.53	0.53	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 530	530	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	3.6	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	2.0	1.1	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
		Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3620 J	12	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.6 UJ	3.6	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	< 0.48	0.48	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 12	12	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.30	0.30	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.24	0.24	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	340	300	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	3.9	0.59	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 3.0	3.0	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.5	1.5	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	2000	5.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.9	5.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 300	300	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	6.5	0.89	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.098	0.098	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.4	2.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 590	590	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.9	5.9	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.59	0.59	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 590	590	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.2	1.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	5.2	3.0	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	2.0	1.2	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

fw 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
		Percent Solids:	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3760 J	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.2 UJ	3.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	0.76	0.42	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 11	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.27	0.27	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.21	0.21	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	1510	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	6.1	0.53	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.7	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.3	1.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	2490	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.3	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 270	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	3.0	0.80	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.090	0.090	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.1	2.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 530	530	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.3	5.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.53	0.53	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 530	530	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	8.6	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	2.0	1.1	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14293

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

RL = Reporting Limit

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
		Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2840 J	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 3.3 UJ	3.3	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Arsenic	< 0.43	0.43	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Barium	< 11	11	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.27	0.27	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.22	0.22	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Calcium	< 270	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Chromium	2.0	0.54	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 2.7	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Copper	< 1.4	1.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Iron	865	5.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Lead	< 5.4	5.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Magnesium	< 270	270	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Manganese	1.7	0.81	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.091	0.091	mg/kg	1	04/28/08	04/28/08	LM	SW846 7471A [1]	SW846 7471A [4]
Nickel	< 2.2	2.2	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 540	540	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 5.4	5.4	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Silver	< 0.54	0.54	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 540	540	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Thallium [a]	< 1.1	1.1	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Vanadium	3.0	2.7	mg/kg	1	04/29/08	04/29/08	RS	SW846 6010B [2]	SW846 3050B [5]
Zinc	< 1.1	1.1	mg/kg	1	04/29/08	04/30/08	RS	SW846 6010B [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA6423
(2) Instrument QC Batch: MA6429
(3) Instrument QC Batch: MA6431
(4) Prep QC Batch: MP14286
(5) Prep QC Batch: MP14294

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

RL = Reporting Limit

LW 5/29/08

ENVIRONMENTAL
Data Services, Inc.

SEMIVOLATILE ORGANIC COMPOUNDS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57136

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 29, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB08	F57136-8	Water
2	FC100-SB16	F57136-9	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

GC/MS Tuning - All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB08		
Lab Sample ID:	F57136-8	Date Sampled:	04/24/08
Matrix:	AQ - Ground Water	Date Received:	04/25/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001854.D	1	05/01/08	NJ	04/30/08	OP24931	SX93
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.0	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.3	ug/l	

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

NW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB08		
Lab Sample ID:	F57136-8	Date Sampled:	04/24/08
Matrix:	AQ - Ground Water	Date Received:	04/25/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	1.3	5.0	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-62%
4165-62-2	Phenol-d5	21%		10-40%
118-79-6	2,4,6-Tribromophenol	71%		33-118%
4165-60-0	Nitrobenzene-d5	52%		42-108%
321-60-8	2-Fluorobiphenyl	52%		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

MW 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB16		
Lab Sample ID:	F57136-9	Date Sampled:	04/24/08
Matrix:	AQ - Ground Water	Date Received:	04/25/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001855.D	1	05/01/08	NJ	04/30/08	OP24931	SX93
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	0.96	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	0.96	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.96	ug/l	
	3&4-Methylphenol	ND	4.8	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	0.96	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	1.9	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	1.2	ug/l	

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

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB16		
Lab Sample ID:	F57136-9	Date Sampled:	04/24/08
Matrix:	AQ - Ground Water	Date Received:	04/25/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	1.4	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	1.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	1.4	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.4	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	0.96	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	3.0	4.8	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		14-62%
4165-62-2	Phenol-d5	27%		10-40%
118-79-6	2,4,6-Tribromophenol	83%		33-118%
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	71%		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

MW 5/29/08

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57136

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 29, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-SB01 (2-4')	F57136-1	Soil
2	FC100-SB02 (2-4')	F57136-2	Soil
3	FC100-SB03 (2-4')	F57136-3	Soil
4	FC100-SB04 (4-6')	F57136-4	Soil
5	FC100-SB05 (2-4')	F57136-5	Soil
5MS	FC100-SB05 (2-4')MS	F57136-5MS	Soil
5MSD	FC100-SB05 (2-4')MSD	F57136-5MSD	Soil
6	FC100-SB06 (2-4')	F57136-6	Soil
7	FC100-SB11 (2-4')	F57136-7	Soil
7MS	FC100-SB11 (2-4')MS	F57136-7MS	Soil
7MSD	FC100-SB11 (2-4')MSD	F57136-7MSD	Soil
8	FC100-SB08	F57136-8	Water
9	FC100-SB16	F57136-9	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water and soil samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/07/08	cis-1,3-Dichloropropene	39.3% D	UJ	1, 2, 3, 4, 6, 7
	4-Methyl-2-pentanone	41.8% D	UJ	
05/08/08	Dichlorodifluoromethane	70.2% D	UJ	5
	Vinyl Acetate	36.9% D	UJ	
	cis-1,3-Dichloropropene	38.6% D	UJ	
	4-Methyl-2-pentanone	38.3% D	UJ	
	n-Propylbenzene	27.2% D	UJ	
	o-Chlorotoluene	25.8% D	UJ	

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
FC100-SB05 (2-4')	Chloroethane	Ok/164%	None - Sample ND
	o-Chlorotoluene	135%/133%	None - Sample ND
	Methyl Bromide	151%/162%	None - Sample ND
	Methylene Chloride	Ok/54%	UJ
	Methyl Ethyl Ketone	62%/62%	UJ
	n-Propylbenzene	132%/133%	None - Sample ND
	1,2,3-Trichlorobenzene	73%/73%	UJ
	1,2,3-Trichloropropane	73%/71%	UJ
	1,2,4-Trichlorobenzene	79%/78%	UJ
	Trichlorofluoromethane	154%/156%	None - Sample ND
FC100-SB11 (2-4')	Almost All Compounds	High Recoveries	None - Sample ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
VH1834-BS	o-Chlorotoluene	137%	None	All ND
	cis-1,3-Dichloropropene	147%	None	All ND
	p-Isopropyltoluene	134%	None	All ND
	4-Methyl-2-pentanone	134%	None	All ND
	n-Propylbenzene	135%	None	All ND
VH1835-BS	sec-Butylbenzene	137%	None	All ND
	o-Chlorotoluene	142%	None	All ND
	cis-1,3-Dichloropropene	150%	None	All ND
	p-Isopropyltoluene	133%	None	All ND
	4-Methyl-2-pentanone	142%	None	All ND
	n-Propylbenzene	139%	None	All ND
VB2227-BS	1,2,3-Trichloropropane	72%	UJ	8, 9
	Vinyl Acetate	201%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria except the following.

Sample ID	Internal Standard	Area Count	Qualifier
FC100-SB03 (2-4')	IS4-Tertbutylalcohol-d10	Low	UJ - Associated Compounds

Method Blank - The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ug/kg	Action Level ug/kg	Qualifier	Affected Samples
VH1835-MB	Methylene Chloride	8.1	81	U	5

Trip, Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

Raw Data: H049218.D

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049218.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	5.35 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	57	29	ug/kg	
71-43-2	Benzene	ND	5.7	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.1	ug/kg	
75-25-2	Bromoform	ND	5.7	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	3.0	ug/kg	
67-66-3	Chloroform	ND	5.7	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	~~ND~~ UJ	5.7	1.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.1	ug/kg	

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

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB01 (2-4')		
Lab Sample ID:	F57136-1	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	81.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
591-78-6	2-Hexanone	ND	29	11	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	~~ND~~ UJ	29	11	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
75-09-2	Methylene chloride [a]	8.5	11	5.7	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	29	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.3	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	1.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.1	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	1.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	29	5.7	ug/kg	
1330-20-7	Xylene (total)	ND	17	2.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Suspected laboratory contaminant.

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

lcw
5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049219.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	3.84 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	68	34	ug/kg	
71-43-2	Benzene	ND	6.8	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.8	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.8	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	1.4	ug/kg	
75-25-2	Bromoform	ND	6.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.8	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.8	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.8	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.8	3.5	ug/kg	
67-66-3	Chloroform	ND	6.8	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.8	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.8	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.8	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.8	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.8	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.8	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.8	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND u5	6.8	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.8	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.8	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.8	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	1.4	ug/kg	

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

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB02 (2-4')		
Lab Sample ID:	F57136-2	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	95.4
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
98-82-8	Isopropylbenzene	ND	6.8	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.8	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	~~ND~~ UJ	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride [a]	9.3	14	6.8	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	6.8	2.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.8	1.5	ug/kg	
100-42-5	Styrene	ND	6.8	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.8	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.8	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.8	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.8	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	1.4	ug/kg	
108-88-3	Toluene	ND	6.8	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	6.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	34	6.8	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	121%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

5/29/08

Report of Analysis

3.3

3

Client Sample ID:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049220.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	4.89 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	31	ug/kg	
71-43-2	Benzene	ND	6.1	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.1	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	1.2	ug/kg	
75-25-2	Bromoform	ND	6.1	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.2	ug/kg	
67-66-3	Chloroform	ND	6.1	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.1	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	1.2	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.1	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.1	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND UJ	6.1	1.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.1	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.1	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.1	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	1.2	ug/kg	

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

MW 5/7/08

Report of Analysis

Client Sample ID:	FC100-SB03 (2-4')		
Lab Sample ID:	F57136-3	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	83.3
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	1.2	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	~~ND~~ UJ	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.5	ug/kg	
75-09-2	Methylene chloride [a]	11.6	12	6.1	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.1	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.1	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	1.4	ug/kg	
100-42-5	Styrene	ND	6.1	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	1.2	ug/kg	
108-88-3	Toluene	ND	6.1	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	31	6.1	ug/kg	
1330-20-7	Xylene (total)	ND	18	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	105%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

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5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049221.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	4.46 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	31	ug/kg	
71-43-2	Benzene	ND	6.3	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.3	ug/kg	
75-25-2	Bromoform	ND	6.3	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	3.3	ug/kg	
67-66-3	Chloroform	ND	6.3	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.3	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND UJ	6.3	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.3	ug/kg	

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

LW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB04 (4-6')		
Lab Sample ID:	F57136-4	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	89.2
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
591-78-6	2-Hexanone	ND	31	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	~~ND~~ UJ	31	13	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
75-09-2	Methylene chloride [a]	11.3	13	6.3	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	31	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.4	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.3	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	31	6.3	ug/kg	
1330-20-7	Xylene (total)	ND	19	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	114%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Suspected laboratory contaminant.

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

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5/29/08

Raw Data: H049253.D

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Report of Analysis

3.5 3

Client Sample ID:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049253.D	1	05/08/08	SH	04/25/08 14:57	n/a	VH1835
Run #2							

	Initial Weight
Run #1	4.32 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	72	36	ug/kg	
71-43-2	Benzene	ND	7.2	1.4	ug/kg	
108-86-1	Bromobenzene	ND	7.2	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	7.2	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	7.2	1.4	ug/kg	
75-25-2	Bromoform	ND	7.2	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	7.2	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.2	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.2	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	7.2	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.2	3.7	ug/kg	
67-66-3	Chloroform	ND	7.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND UJ	7.2	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.2	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.2	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.2	1.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.2	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.2	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.2	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.2	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.2	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	7.2	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.2	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	7.2	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND UJ	7.2	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.2	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND UJ	7.2	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.2	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.2	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.2	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.2	1.4	ug/kg	

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

lw 5/29/08

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Report of Analysis

Client Sample ID:	FC100-SB05 (2-4')		
Lab Sample ID:	F57136-5	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	80.9
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	7.2	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	7.2	1.4	ug/kg	
591-78-6	2-Hexanone	ND	36	14	ug/kg	
98-82-8	Isopropylbenzene	ND	7.2	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.2	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	~~ND~~ UJ	36	14	ug/kg	
74-83-9	Methyl bromide	ND	7.2	2.6	ug/kg	
74-87-3	Methyl chloride	ND	7.2	2.9	ug/kg	
75-09-2	Methylene chloride [a]	31.8 UJ	14	7.2	ug/kg	B
78-93-3	Methyl ethyl ketone	~~ND~~ UJ	36	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.2	1.4	ug/kg	
91-20-3	Naphthalene	ND	7.2	2.9	ug/kg	
103-65-1	n-Propylbenzene	~~ND~~ UJ	7.2	1.6	ug/kg	
100-42-5	Styrene	ND	7.2	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.2	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.2	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	~~ND~~ UJ	7.2	2.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	~~ND~~ UJ	7.2	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	~~ND~~ UJ	7.2	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.2	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.2	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.2	1.4	ug/kg	
108-88-3	Toluene	ND	7.2	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	7.2	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.2	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	7.2	2.0	ug/kg	
108-05-4	Vinyl Acetate	~~ND~~ UJ	36	7.2	ug/kg	
1330-20-7	Xylene (total)	ND	21	3.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	121%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

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Report of Analysis

Client Sample ID:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049230.D	1	05/07/08	SH	04/25/08 14:57	n/a	VH1834
Run #2							

	Initial Weight
Run #1	3.96 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	69	34	ug/kg	
71-43-2	Benzene	ND	6.9	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.9	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.9	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.9	1.4	ug/kg	
75-25-2	Bromoform	ND	6.9	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.9	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.9	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.9	1.4	ug/kg	
75-00-3	Chloroethane	ND	6.9	3.6	ug/kg	
67-66-3	Chloroform	ND	6.9	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.9	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.9	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.9	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.9	1.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.9	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.9	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.9	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.9	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.9	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.9	1.4	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.9	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.9	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.9	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.9	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.9	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND UJ	6.9	1.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.9	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.9	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.9	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.9	1.4	ug/kg	

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

LW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB06 (2-4')		
Lab Sample ID:	F57136-6	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	91.5
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.9	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.9	1.4	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
98-82-8	Isopropylbenzene	ND	6.9	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.9	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.9	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.9	2.8	ug/kg	
75-09-2	Methylene chloride [a]	19.7	14	6.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.9	1.4	ug/kg	
91-20-3	Naphthalene	ND	6.9	2.8	ug/kg	
103-65-1	n-Propylbenzene	ND	6.9	1.5	ug/kg	
100-42-5	Styrene	ND	6.9	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.9	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.9	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.9	2.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.9	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.9	1.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.9	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.9	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.9	1.4	ug/kg	
108-88-3	Toluene	ND	6.9	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	6.9	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.9	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.9	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	34	6.9	ug/kg	
1330-20-7	Xylene (total)	ND	21	2.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	119%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	92%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

5/29/08

Raw Data: H049224.D

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Report of Analysis

3.7 3

Client Sample ID:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049224.D	1	05/07/08	SH	04/25/08 15:37	n/a	VH1834
Run #2							

	Initial Weight
Run #1	4.25 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	33	ug/kg	
71-43-2	Benzene	ND	6.6	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.6	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.6	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	1.3	ug/kg	
75-25-2	Bromoform	ND	6.6	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.6	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.6	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.6	3.4	ug/kg	
67-66-3	Chloroform	ND	6.6	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.6	1.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.6	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	1.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.6	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.6	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.6	1.3	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.6	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.6	1.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	~~ND~~ U J	6.6	1.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.6	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.6	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.6	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	1.3	ug/kg	

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

PW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB11 (2-4')		
Lab Sample ID:	F57136-7	Date Sampled:	04/24/08
Matrix:	SO - Soil	Date Received:	04/25/08
Method:	SW846 8260B SW846 5035	Percent Solids:	89.6
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	1.3	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.6	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride [a]	10.1	13	6.6	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.6	1.3	ug/kg	
91-20-3	Naphthalene	ND	6.6	2.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.6	1.4	ug/kg	
100-42-5	Styrene	ND	6.6	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.6	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.6	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.6	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	1.3	ug/kg	
108-88-3	Toluene	1.8	6.6	1.3	ug/kg	J
79-01-6	Trichloroethylene	ND	6.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	33	6.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

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

MW 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB08		
Lab Sample ID:	F57136-8	Date Sampled:	04/24/08
Matrix:	AQ - Ground Water	Date Received:	04/25/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B053113.D	1	05/08/08	KW	n/a	n/a	VB2227
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

JW 5/29/08

Report of Analysis

Client Sample ID:	FC100-SB08		
Lab Sample ID:	F57136-8	Date Sampled:	04/24/08
Matrix:	AQ - Ground Water	Date Received:	04/25/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	4.7	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	~~ND~~ UJ	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.56	1.0	0.27	ug/l	J
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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	102%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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

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

JW 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-SB16		
Lab Sample ID:	F57136-9	Date Sampled:	04/24/08
Matrix:	AQ - Ground Water	Date Received:	04/25/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B053114.D	1	05/08/08	KW	n/a	n/a	VB2227
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	35.9	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

5/29/08

Report of Analysis

Client Sample ID:	FC100-SB16		
Lab Sample ID:	F57136-9	Date Sampled:	04/24/08
Matrix:	AQ - Ground Water	Date Received:	04/25/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	30.1	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	2.5	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND U J	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	5.3	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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

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

5/29/08

ENVIRONMENTAL
Data Services, Inc.

SEMIVOLATILE ORGANIC COMPOUNDS

USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57179

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 29, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-TMW02	F57179-1	Water
2	FC100-TMW04	F57179-2	Water
3	FC100-TMW09	F57179-3	Water
3MS	FC100-TMW09MS	F57179-3MS	Water
3MSD	FC100-TMW09MSD	F57179-3MSD	Water
4	FC100-TMW10	F57179-4	Water
5	FC100-TMW12	F57179-5	Water
6	TRIP BLANK	F57179-6	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

GC/MS Tuning - All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
OP24939-BS	1,3-Dichlorobenzene	37%	UJ	All Samples
	1,4-Dichlorobenzene	38%	UJ	
	Hexachlorobutadiene	36%	UJ	
	Hexachloroethane	29%	UJ	

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC samples were not analyzed.

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

Raw Data: X001882.D

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW02		
Lab Sample ID:	F57179-1	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001882.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	26	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.2	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	2.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	2.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.1	ug/l	
95-48-7	2-Methylphenol	ND	5.2	1.0	ug/l	
	3&4-Methylphenol	ND	5.2	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	26	10	ug/l	
87-86-5	Pentachlorophenol	ND	26	10	ug/l	
108-95-2	Phenol	ND	5.2	2.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.0	ug/l	
83-32-9	Acenaphthene	ND	5.2	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.2	1.1	ug/l	
120-12-7	Anthracene	ND	5.2	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.2	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.2	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.2	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.2	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.2	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.2	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.2	2.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.2	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	2.1	ug/l	
218-01-9	Chrysene	ND	5.2	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.2	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.2	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.2	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.2	1.3	ug/l	

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

MW 5/29/08

Report of Analysis

Client Sample ID:	FC100-TMW02		
Lab Sample ID:	F57179-1	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.2	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.2	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	~~ND~~ UJ	5.2	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	~~ND~~ UJ	5.2	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.2	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.2	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.2	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.2	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.2	2.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.2	2.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.2	2.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.2	2.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.2	2.1	ug/l	
206-44-0	Fluoranthene	ND	5.2	1.0	ug/l	
86-73-7	Fluorene	ND	5.2	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.2	1.2	ug/l	
87-68-3	Hexachlorobutadiene	~~ND~~ UJ	5.2	1.8	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.2	1.5	ug/l	
67-72-1	Hexachloroethane	~~ND~~ UJ	5.2	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.2	1.0	ug/l	
78-59-1	Isophorone	ND	5.2	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.2	1.0	ug/l	
91-20-3	Naphthalene	ND	5.2	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.2	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.2	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.2	1.0	ug/l	
129-00-0	Pyrene	ND	5.2	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	84%		33-118%
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	68%		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

MW 5/29/08

Raw Data: X001883.D

2

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

3.2
3

Client Sample ID:	FC100-TMW04		
Lab Sample ID:	F57179-2	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001883.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	26	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.1	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	1.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	2.0	5.1	1.0	ug/l	J
	3&4-Methylphenol	4.7	5.1	1.3	ug/l	J
88-75-5	2-Nitrophenol	ND	5.1	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	26	10	ug/l	
87-86-5	Pentachlorophenol	ND	26	10	ug/l	
108-95-2	Phenol	5.4	5.1	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	1.0	ug/l	
83-32-9	Acenaphthene	ND	5.1	1.4	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.1	ug/l	
120-12-7	Anthracene	ND	5.1	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.1	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	2.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	1.3	ug/l	

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

JW 5/29/08

Report of Analysis

Client Sample ID:	FC100-TMW04		
Lab Sample ID:	F57179-2	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.1	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND UJ	5.1	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND UJ	5.1	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.1	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.1	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.1	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.1	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.1	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.1	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.1	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.1	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.1	1.0	ug/l	
86-73-7	Fluorene	ND	5.1	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND UJ	5.1	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.1	1.5	ug/l	
67-72-1	Hexachloroethane	ND UJ	5.1	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	1.0	ug/l	
78-59-1	Isophorone	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	2.2	5.1	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	5.1	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.1	1.0	ug/l	
129-00-0	Pyrene	ND	5.1	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		14-62%
4165-62-2	Phenol-d5	31%		10-40%
118-79-6	2,4,6-Tribromophenol	90%		33-118%
4165-60-0	Nitrobenzene-d5	76%		42-108%
321-60-8	2-Fluorobiphenyl	73%		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

DW 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW09		
Lab Sample ID:	F57179-3	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001884.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.97	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	1.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.97	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.97	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	ND	4.9	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.97	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	1.9	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.97	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

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

5/29/08

Report of Analysis

Client Sample ID:	FC100-TMW09		
Lab Sample ID:	F57179-3	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND UJ	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND UJ	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.97	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.97	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.9	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND UJ	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	ND UJ	4.9	1.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.97	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	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	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.97	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	0.97	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	81%		33-118%
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	71%		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

lw 5/29/08

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Report of Analysis

Client Sample ID:	FC100-TMW10		
Lab Sample ID:	F57179-4	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001887.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

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

5/29/08

Report of Analysis

Client Sample ID:	FC100-TMW10		
Lab Sample ID:	F57179-4	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	~~ND~~ UJ	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	~~ND~~ UJ	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	~~ND~~ UJ	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	~~ND~~ UJ	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	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	1.2	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	17%		10-40%
118-79-6	2,4,6-Tribromophenol	71%		33-118%
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	61%		40-106%
1718-51-0	Terphenyl-d14	71%		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

JW 5/29/08

Raw Data: X001888.D

5

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

3.5 3

Client Sample ID:	FC100-TMW12		
Lab Sample ID:	F57179-5	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X001888.D	1	05/02/08	NJ	05/01/08	OP24939	SX94
Run #2							

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

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	0.98	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	0.98	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	2.0	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	1.3	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.98	ug/l	
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	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	1.2	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	1.3	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	2.0	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	1.3	ug/l	

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

5/29/08

Report of Analysis

Client Sample ID:	FC100-TMW12		
Lab Sample ID:	F57179-5	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	1.5	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	~~ND~~ UJ	4.9	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	~~ND~~ UJ	4.9	1.5	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.0	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	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	1.2	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	1.2	ug/l	
87-68-3	Hexachlorobutadiene	~~ND~~ UJ	4.9	1.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.5	ug/l	
67-72-1	Hexachloroethane	~~ND~~ UJ	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	0.98	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	2.6	4.9	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	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	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	17%		10-40%
118-79-6	2,4,6-Tribromophenol	73%		33-118%
4165-60-0	Nitrobenzene-d5	62%		42-108%
321-60-8	2-Fluorobiphenyl	63%		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

DW 5/29/08

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCB Camp Lejeune SDG #: F57179

Client: Osage of Virginia, Inc, Norfolk, Virginia Date: May 29, 2008

Laboratory: Accutest Laboratories, Inc., Orlando, Florida Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FC100-TMW02	F57179-1	Water
1MS	FC100-TMW02MS	F57179-1MS	Water
1MSD	FC100-TMW02MSD	F57179-1MSD	Water
2	FC100-TMW04	F57179-2	Water
3	FC100-TMW09	F57179-3	Water
4	FC100-TMW10	F57179-4	Water
5	FC100-TMW12	F57179-5	Water
6	TRIP BLANK	F57179-6	Soil

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/07/08	cis-1,3-Dichloropropene	39.3% D	UJ	6
	4-Methyl-2-pentanone	41.8% D	UJ	

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
FC100-TMW02	1,1-Dichloroethane	129%/130%/Ok	None - Sample ND
	1,1-Dichloroethene	140%/134%/Ok	None - Sample ND
	1,2-Dichloropropane	122%/122%/Ok	None - Sample ND
	Vinyl Acetate	258%/247%/Ok	None - Sample ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
VM1120-BS	Chlorobenzene	118%	None	All ND
	1,1-Dichloroethane	133%	None	All ND
	1,1-Dichloroethene	141%	None	All ND
	1,2-Dichloropropane	124%	None	All ND
	Di-Isopropylether	126%	None	All ND
	cis-1,3-Dichloropropene	120%	None	All ND
	Vinyl Acetate	238%	None	All ND
VH1834-BS	o-Chlorotoluene	137%	None	All ND
	cis-1,3-Dichloropropene	147%	None	All ND
	p-Isopropyltoluene	134%	None	All ND
	4-Methyl-2-pentanone	134%	None	All ND
	n-Propylbenzene	135%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks exhibited the following contamination.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
VM1120-MB	Methylene Chloride	1.1	11	None	All ND

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/kg	Action Level ug/kg	Qualifier	Affected Samples
TRIP BLANK	Methylene Chloride	6.0	60	None	All ND
	Toluene	1.1	5.5	None	All ND

Field Duplicates - Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

Raw Data: M0027167.D

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW02		
Lab Sample ID:	F57179-1	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027167.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

lw 5/29/08

Report of Analysis

Client Sample ID:	FC100-TMW02		
Lab Sample ID:	F57179-1	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	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	103%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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

MW
5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW04		
Lab Sample ID:	F57179-2	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027168.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	49.9	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.29	1.0	0.23	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

lw 5/29/08

Report of Analysis

Client Sample ID:	FC100-TMW04		
Lab Sample ID:	F57179-2	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.24	1.0	0.20	ug/l	J
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	0.28	1.0	0.21	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	4.8	5.0	2.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	0.99	1.0	0.20	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	15.8	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	8.5	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	0.81	3.0	0.56	ug/l	J

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

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

QW
5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW09		
Lab Sample ID:	F57179-3	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027169.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

JW 5/29/08

Report of Analysis

Client Sample ID:	FC100-TMW09		
Lab Sample ID:	F57179-3	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	100%		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

MW 512968

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW10		
Lab Sample ID:	F57179-4	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027170.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.23	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

JW 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW10		
Lab Sample ID:	F57179-4	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.21	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

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

MW 5/29/08

Accutest LabLink@76710 07:55 21-May-2008

Report of Analysis

Client Sample ID:	FC100-TMW12		
Lab Sample ID:	F57179-5	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0027171.D	1	05/09/08	MM	n/a	n/a	VM1120
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.21	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.28	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.33	ug/l	
135-98-8	sec-Butylbenzene	0.26	1.0	0.23	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.33	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	
95-49-8	o-Chlorotoluene	ND	1.0	0.32	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	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	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	1.0	0.20	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	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	

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

5129108

Report of Analysis

Client Sample ID:	FC100-TMW12		
Lab Sample ID:	F57179-5	Date Sampled:	04/25/08
Matrix:	AQ - Ground Water	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
591-78-6	2-Hexanone	ND	10	2.9	ug/l	
98-82-8	Isopropylbenzene	0.43	1.0	0.21	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.22	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.2	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	4.3	2.0	0.44	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	5.2	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.1	2.0	0.20	ug/l	J
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	
108-05-4	Vinyl Acetate	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

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

MW 5/29/08

Report of Analysis

3.6

3

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F57179-6	Date Sampled:	04/25/08
Matrix:	SO - Trip Blank Soil	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H049213.D	1	05/07/08	SH	n/a	n/a	VH1834
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	~~ND~~ UJ	5.0	1.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	

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

JW 5/29/08

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F57179-6	Date Sampled:	04/25/08
Matrix:	SO - Trip Blank Soil	Date Received:	04/26/08
Method:	SW846 8260B	Percent Solids:	n/a
Project:	FC 100/CTO 012; Camp Lejeune, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND UJ	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride [a]	6.0	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	1.1	5.0	1.0	ug/kg	J
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
1330-20-7	Xylene (total)	ND	15	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

(a) Suspected laboratory contaminant.

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

QW 5/29/08

APPENDIX E

TEST PIT PHOTOS



FC-100 Test Pit #1



FC-100 Test Pit #1



FC-100 Test Pit #1



FC-100 Test Pit #1



FC-100 Test Pit #2



FC-100 Test Pit #3



FC-100 Test Pit #4



FC-100 Test Pit #5



FC-100 Test Pit #6



FC-100 Test Pit #7



FC-100 Test Pit #7



FC-100 Test Pit #8



FC-100 Test Pit #9



FC-100 Test Pit #10



FC-100 Test Pit #11